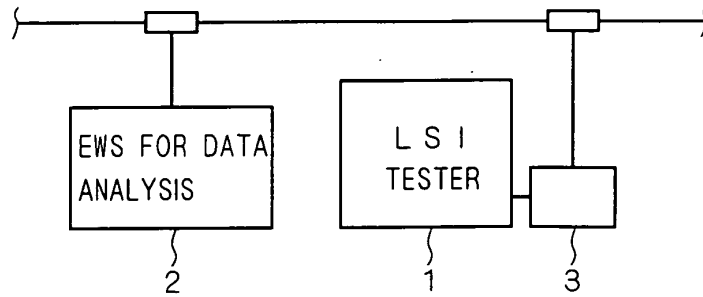


FIG. 1



DOCKET# 201372US2

FIG. 2

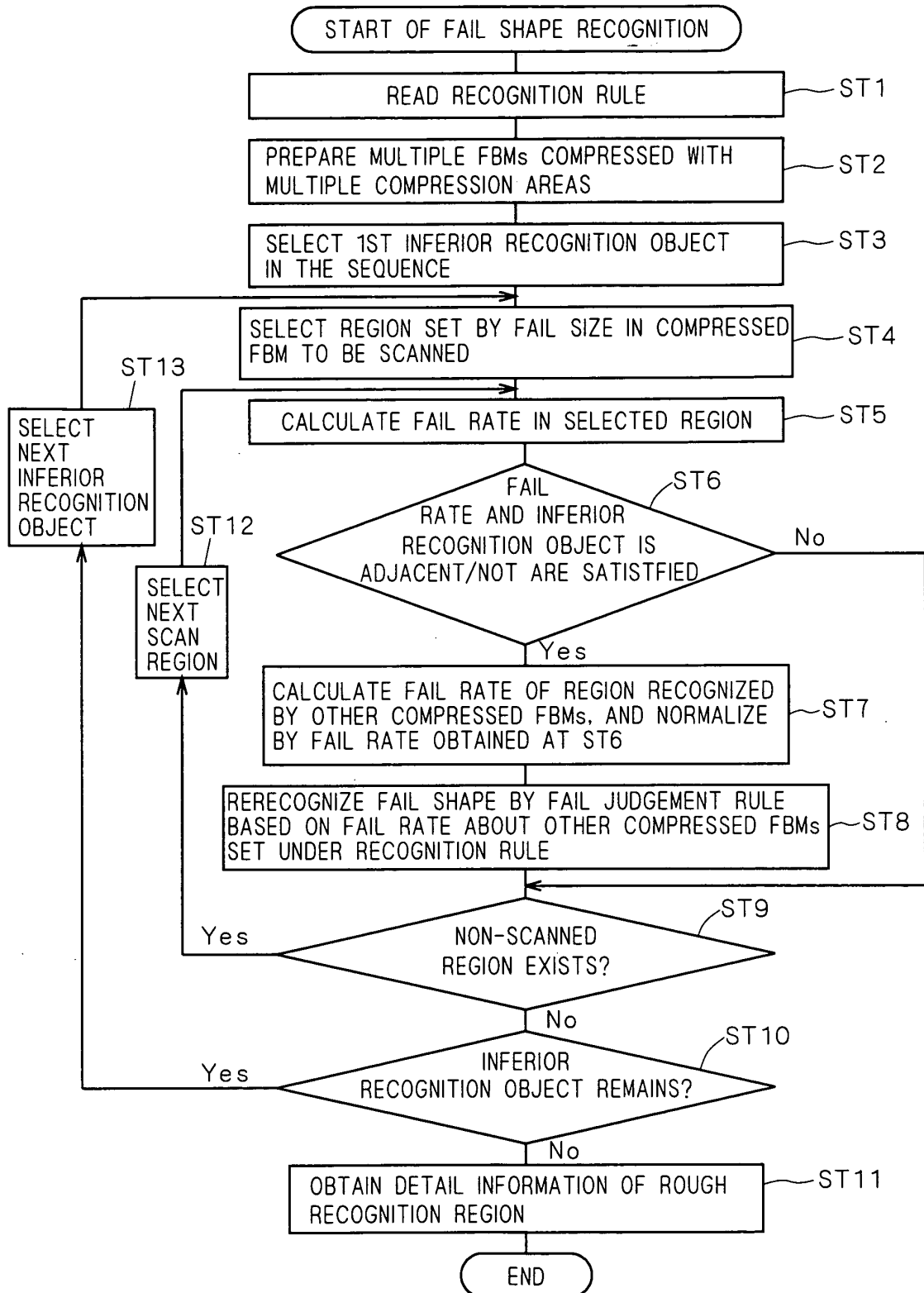


FIG. 3

RECOGNITION RULE

FBM-A : 8×8 bits
FBM-B : 1×32 bits
FBM-C : 32×1 bits

13

A-Block-Fail : 14

ScanFBM : FBM-A 15

ScanNo : 1 16

FailSize : 32×32 bits 17

Cross : OK 19

FailRate : 100% 18

ScanSize : 32×32 bits 20

FBM-CompRule :

NORMAL : $\text{FBM-B}(0.75 \sim 1.25) / \text{FBM-C}(0.75 \sim 1.25)$

X-line : $\text{FBM-B}(0 \sim 0.5) / \text{FBM-C}(0.75 \sim 1.25)$

Y-line : $\text{FBM-B}(0.75 \sim 1.25) / \text{FBM-C}(0 \sim 0.5)$

21

B-Line-Fail :

ScanFBM : FBM-B

ScanNo : 2

FailSize : 1×32 bits

Cross : None

FailRate : 75%

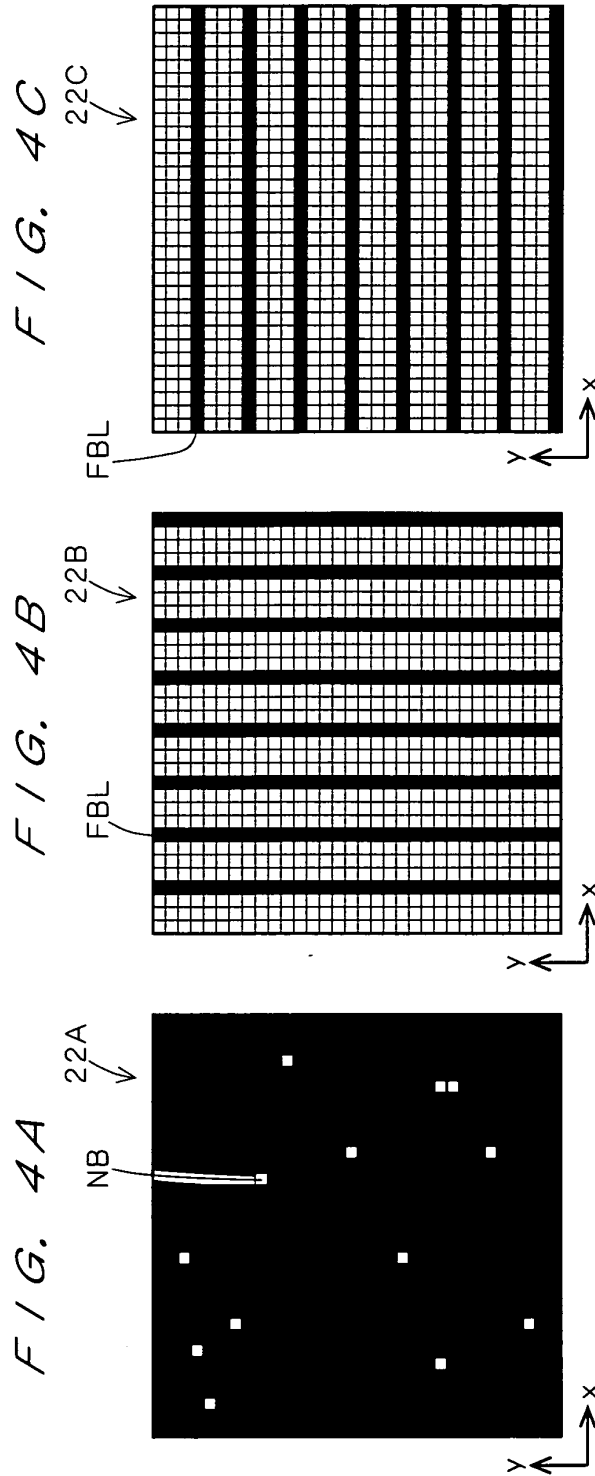
ScanSize : 1×16 bits

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FIG. 5A

23A
↓

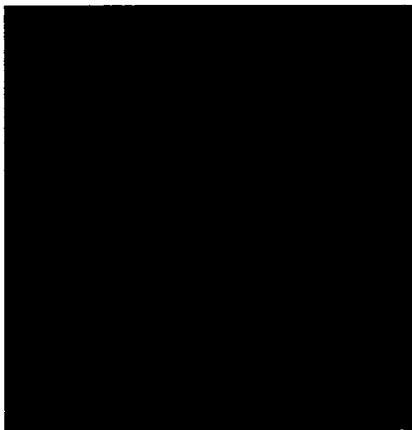


FIG. 5B

23B
↓

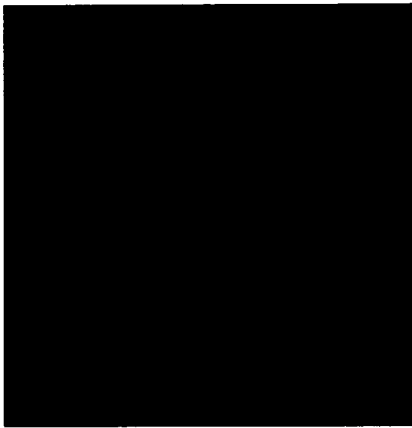


FIG. 5C

23C
↓



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FIG. 6A

24A
↓

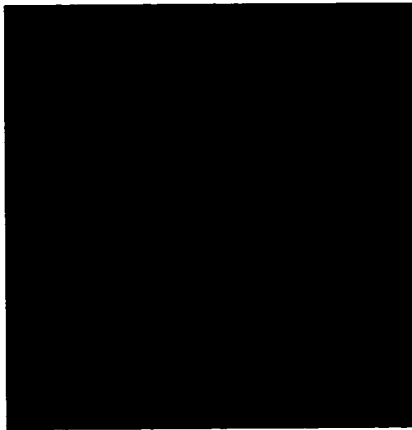


FIG. 6B

24B
↓

FPL

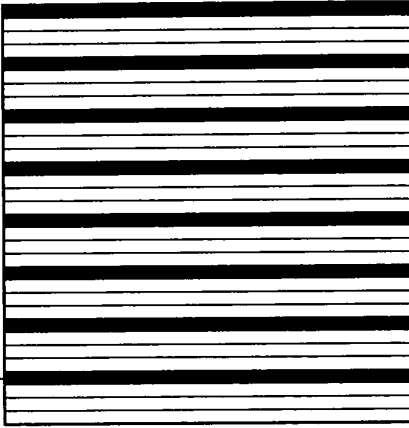


FIG. 6C

24C
↓

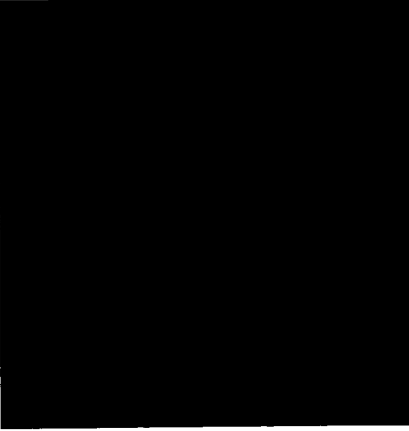


FIG. 7A

25A

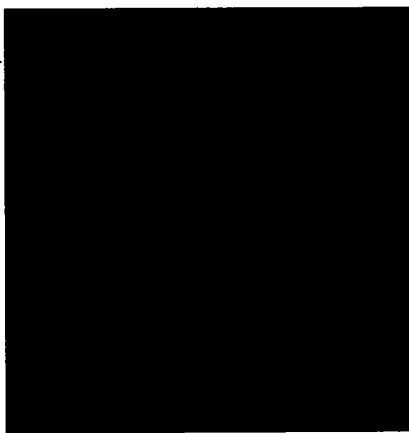


FIG. 7B

25B



FIG. 7C

25C

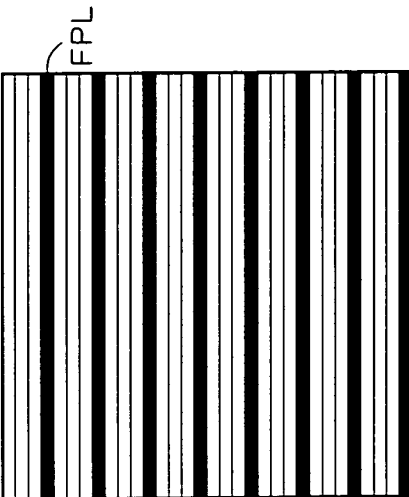


FIG. 8

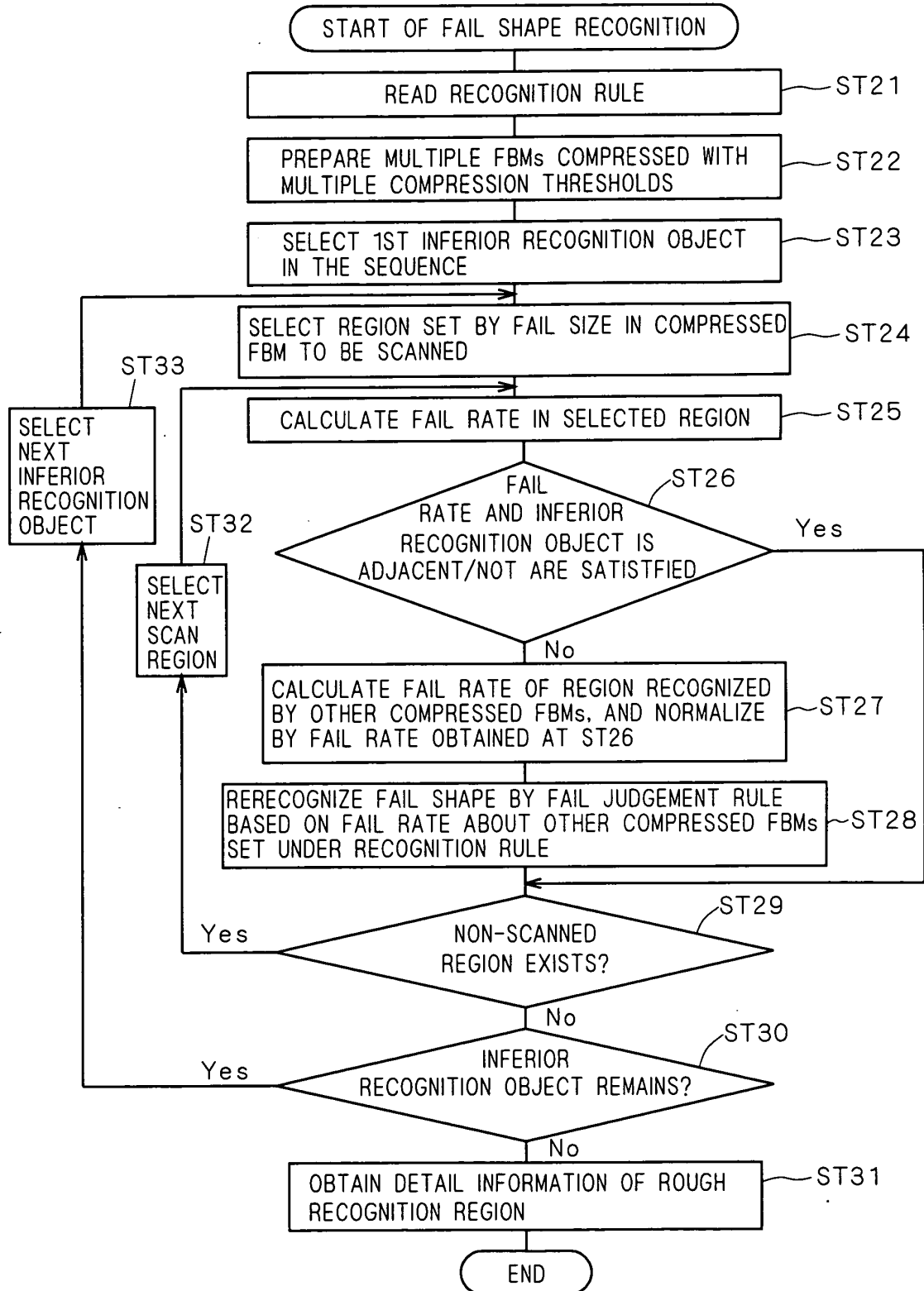


FIG. 9

RECOGNITION RULE

CompressRATE : $8 \times 8\text{bits}$ ← 26

FBM-A : 1bits
FBM-B : 5bits) ← 27

A-Line-Fail : ← 14

ScanFBM : FBM-A ← 15

ScanNo : 1 ← 16

FailSize : $8 \times 32\text{bits}$ ← 17

Cross : NONE ← 19

FailRate : 100% ← 18

ScanSize : $8 \times 32\text{bits}$ ← 20

FBM-CompRule :

NORMAL : FBM-B(0.75~1.25)
NOT RECOGNIZE : FBM-D(0~0.5)) ← 21

B-Line-Fail :

ScanFBM : FBM-B

ScanNo : 2

FailSize : $1 \times 32\text{bits}$

Cross : None

FailRate : 75%

ScanSize : $1 \times 16\text{bits}$

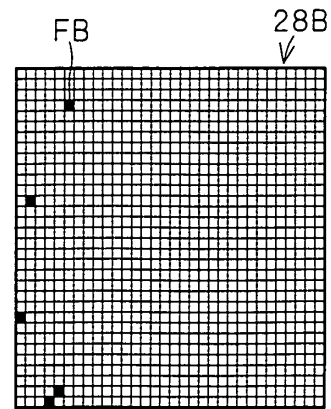
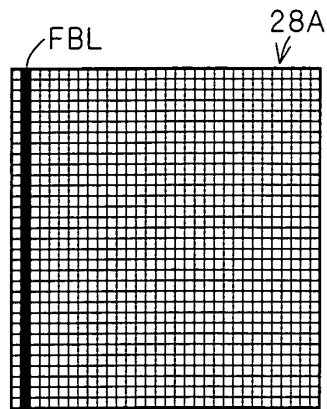
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F / G. 10B



F / G. 1 1 A

F / G. 1 1 B

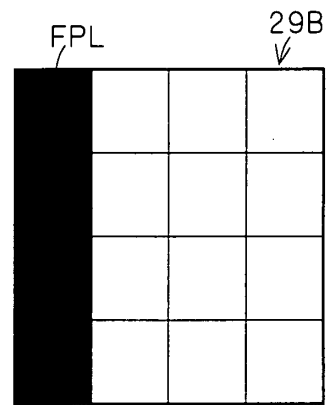
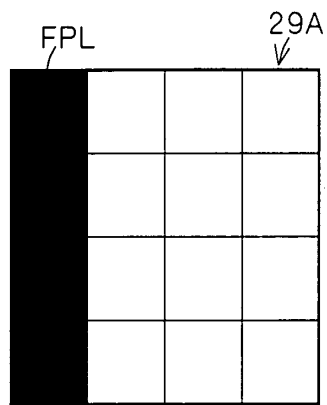


FIG. 12A

F / G. 12B

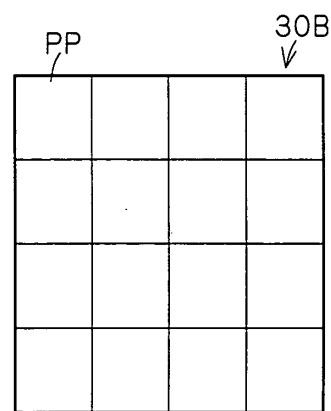
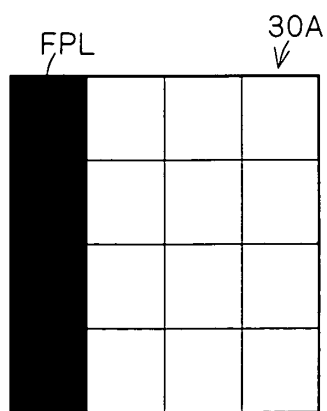
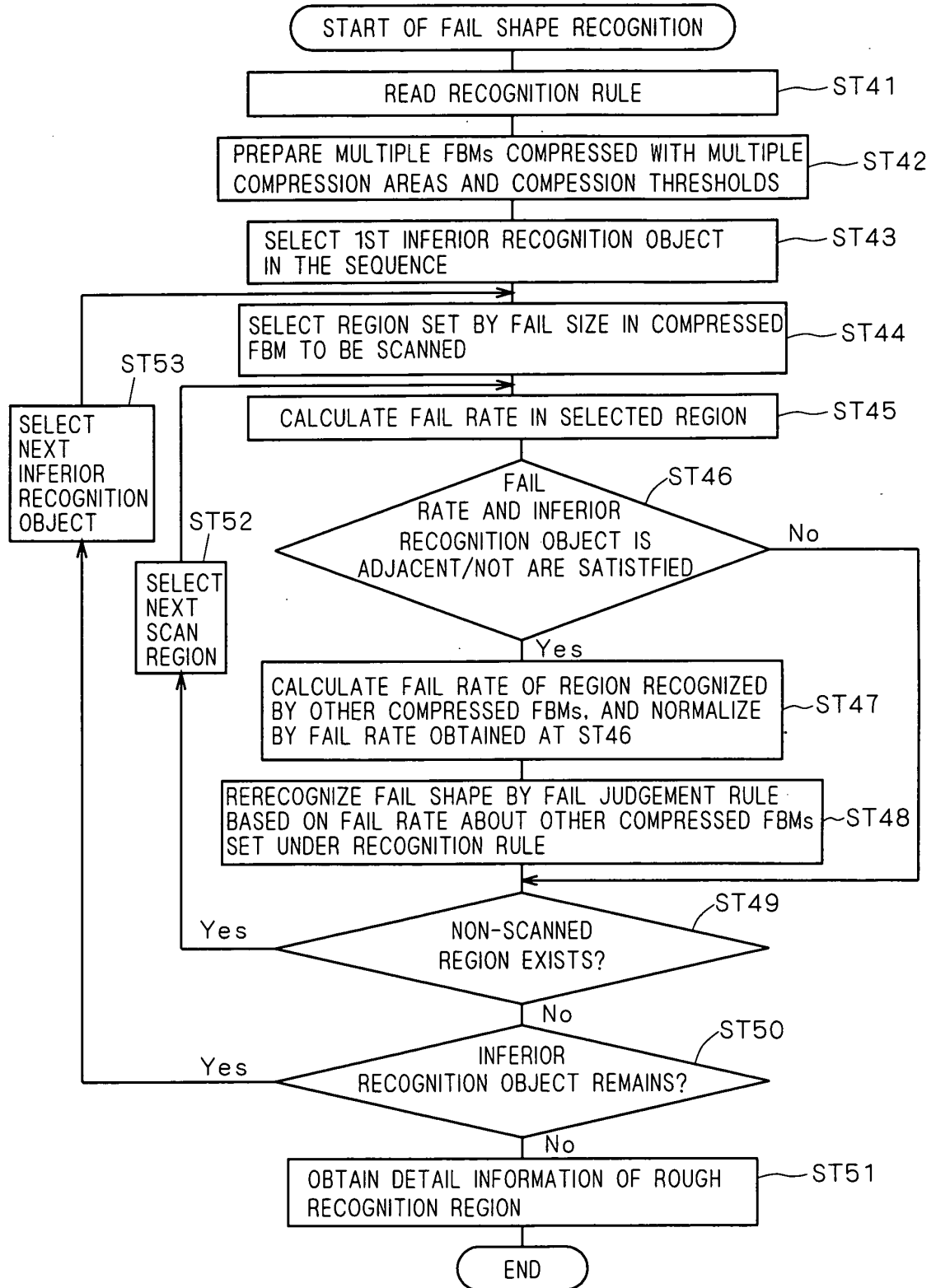
[illegible]

FIG. 13



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FIG. 14

RECOGNITION RULE

FBM-A :

CompressRATE : 8×8 bits

CompressThreshold : 1bit

FBM-B :

CompressRATE : 1×32 bits

CompressThreshold : 1bit

FBM-C :

CompressRATE : 32×1 bits

CompressThreshold : 1bit

FBM-D :

CompressRATE : 8×8 bits

CompressThreshold : 8bit

A-Block-Fail : $\leftarrow 14$

ScanFBM : FBM-A $\leftarrow 15$

ScanNo : 1 $\leftarrow 16$

FailSize : 32×32 bits $\leftarrow 17$

Cross : OK $\leftarrow 18$

FailRate : 100% $\leftarrow 19$

ScanSize : 32×32 bits $\leftarrow 20$

FBM-CompRule :

NORMAL : FBM-B(0.75~1.25)/FBM-C(0.75~1.25)/FBM-D(0.75~1.25)

X-line : FBM-B(0~0.5)/FBM-C(0.75~1.25)

Y-line : FBM-B(0.75~1.25)/FBM-C(0~0.5)

NOT RECOGNIZE : FBM-D(0~0.5)

B-Line-Fail :

ScanFBM : FBM-B

ScanNo : 2

FailSize : 1×32 bits

Cross : None

FailRate : 75%

ScanSize : 1×16 bits

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$\leftarrow 31$

$\leftarrow 21$

FIG. 15A

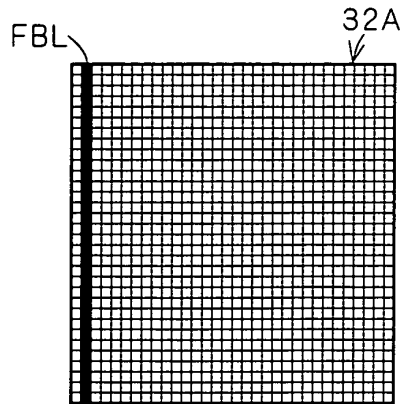


FIG. 15A

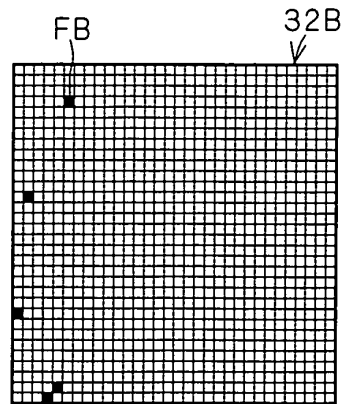


FIG. 16

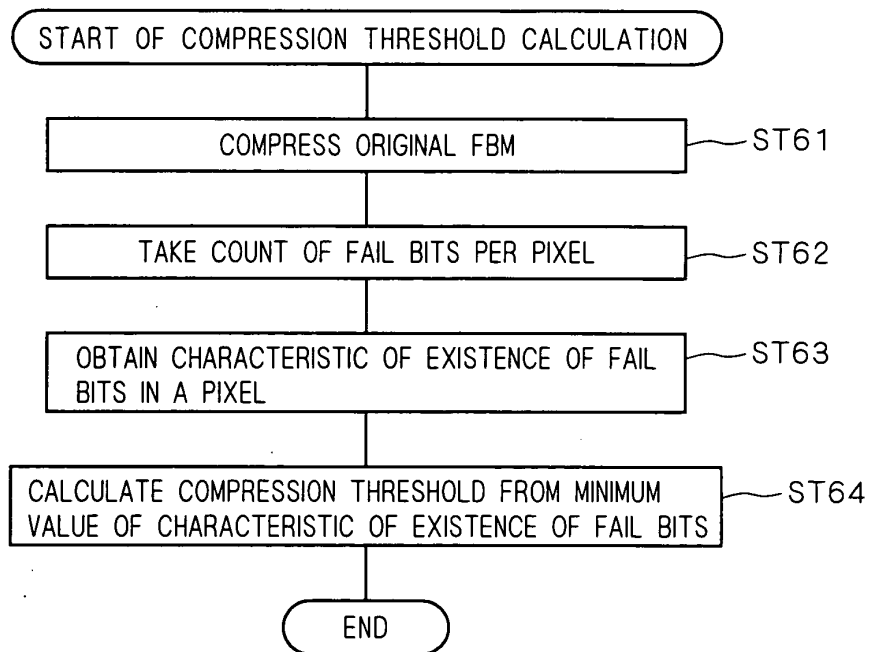


FIG. 17A

8	0	0	0
8	0	0	0
8	0	0	0
8	0	0	0

FIG. 17B

1	0	0	0
1	0	0	0
1	0	0	0
2	0	0	0

FIG. 18

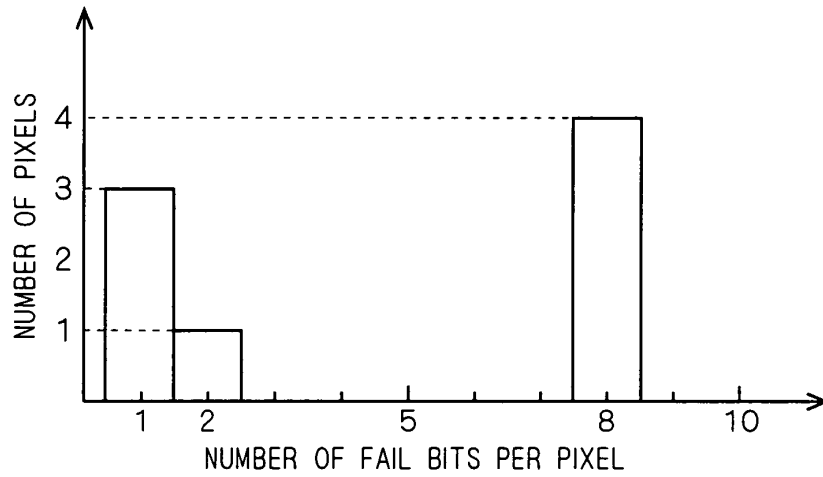


FIG. 19

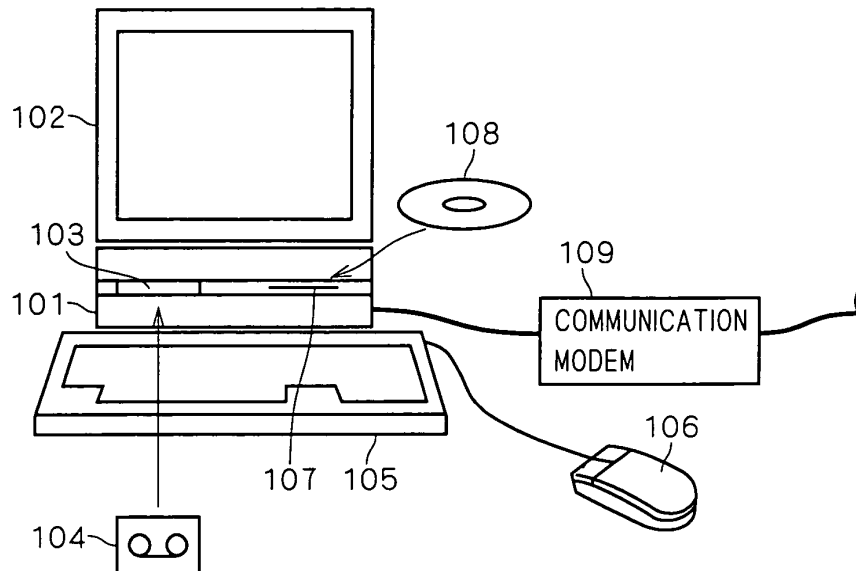
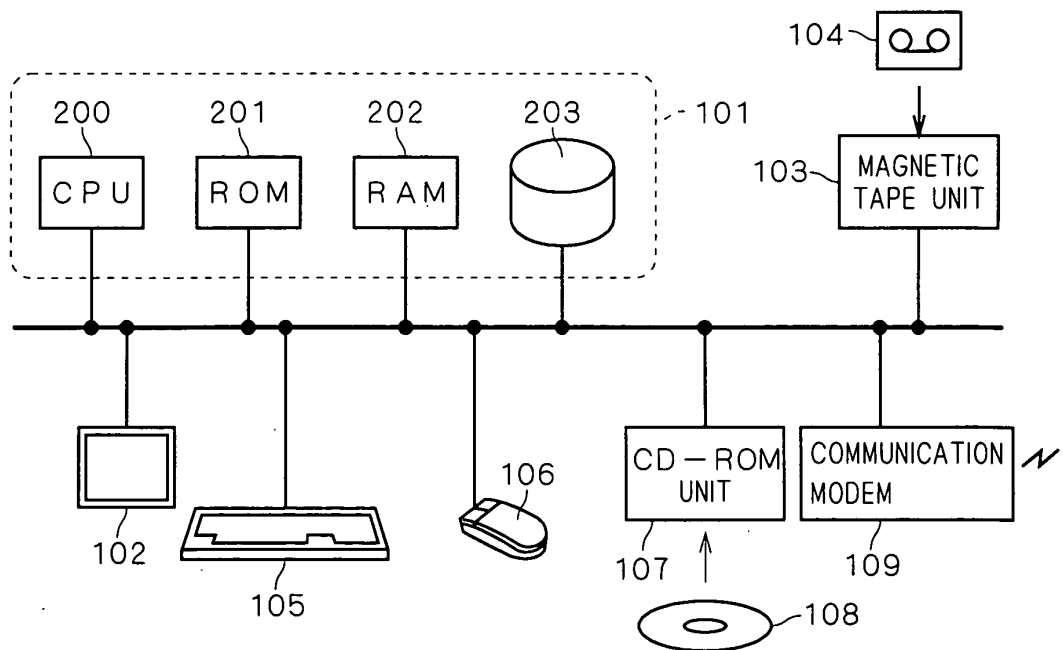


FIG. 20



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FIG. 21

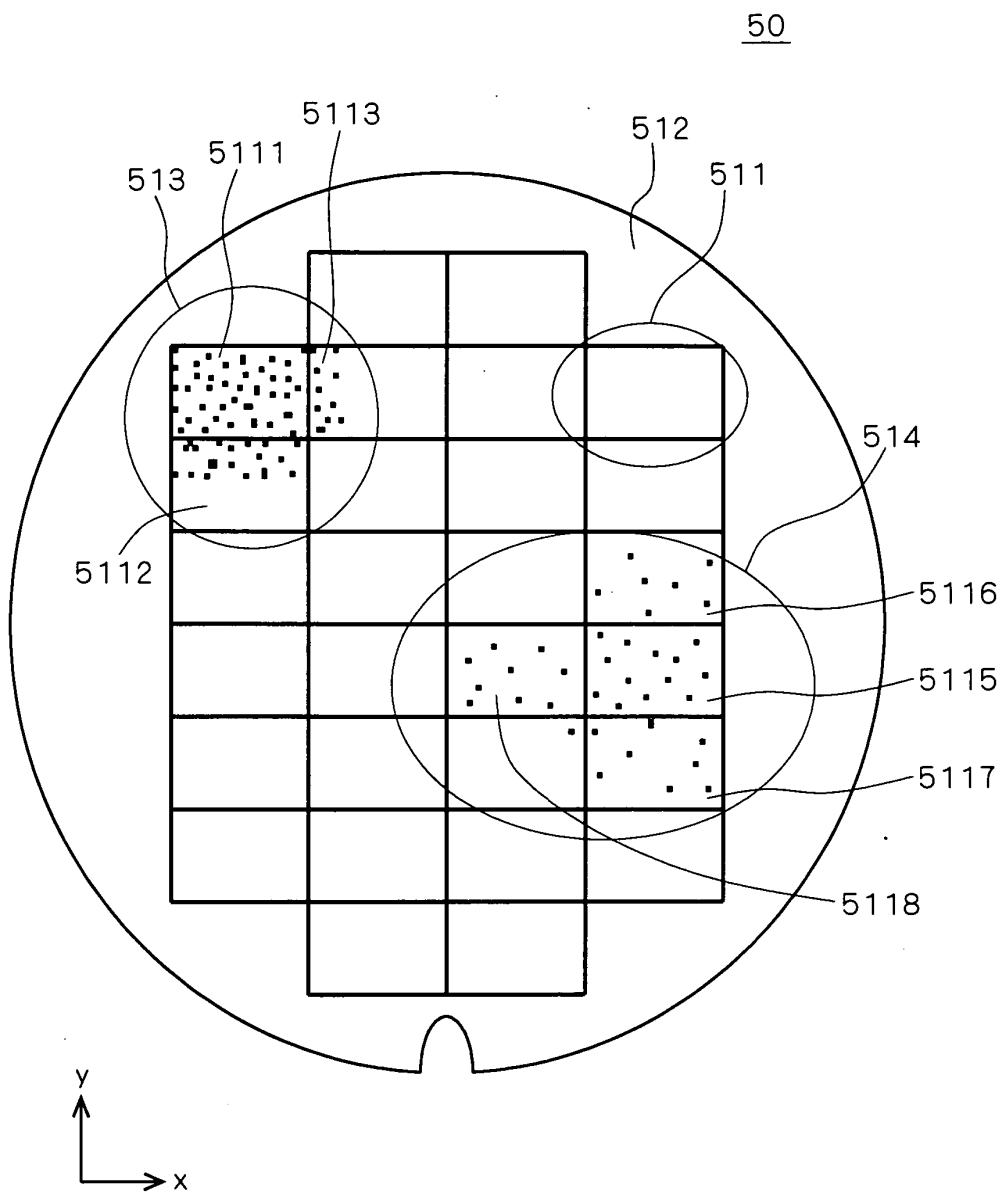
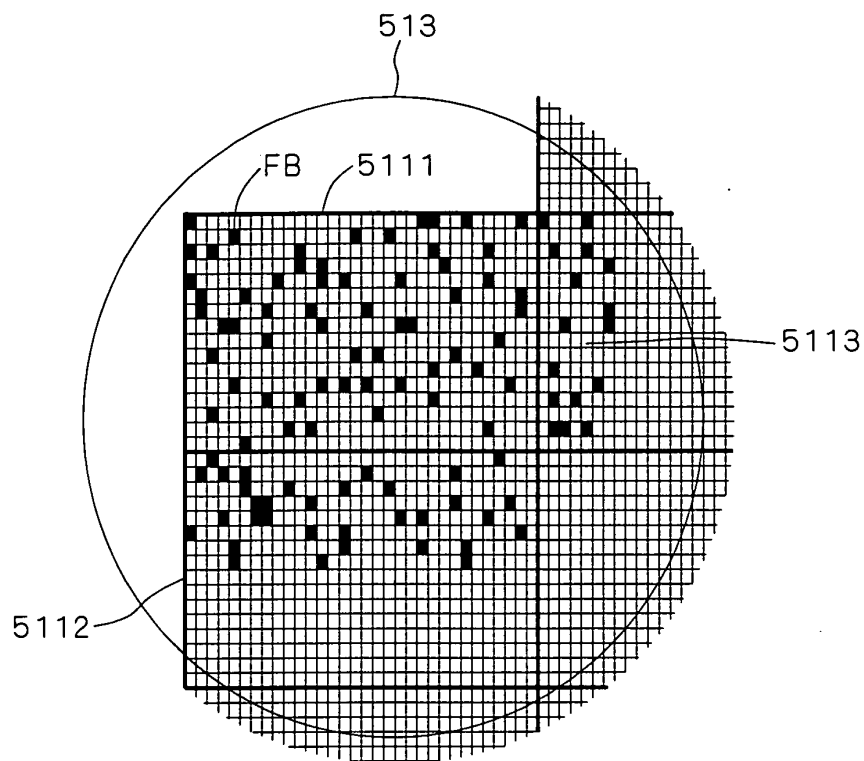


FIG. 22



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FIG. 23

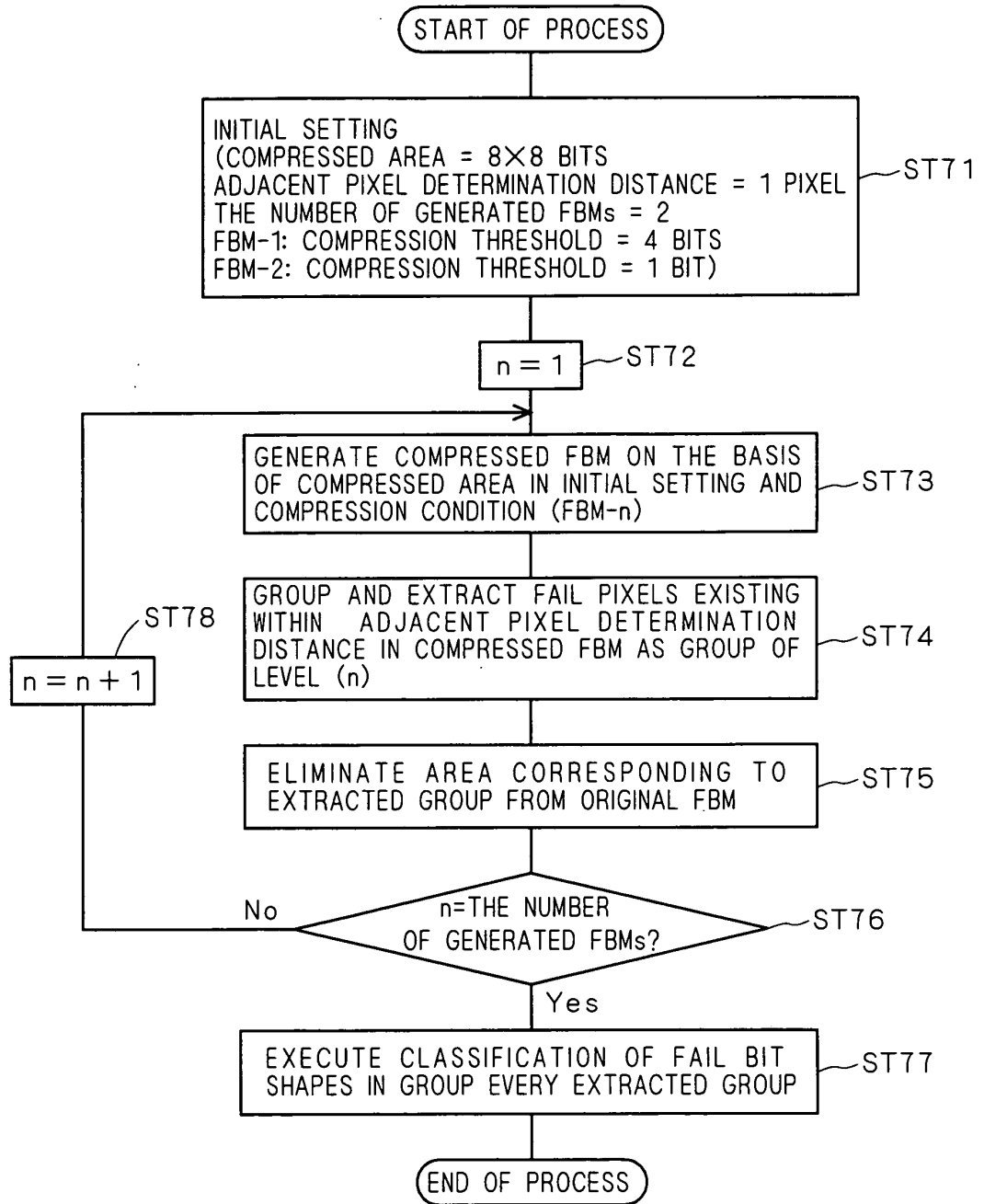
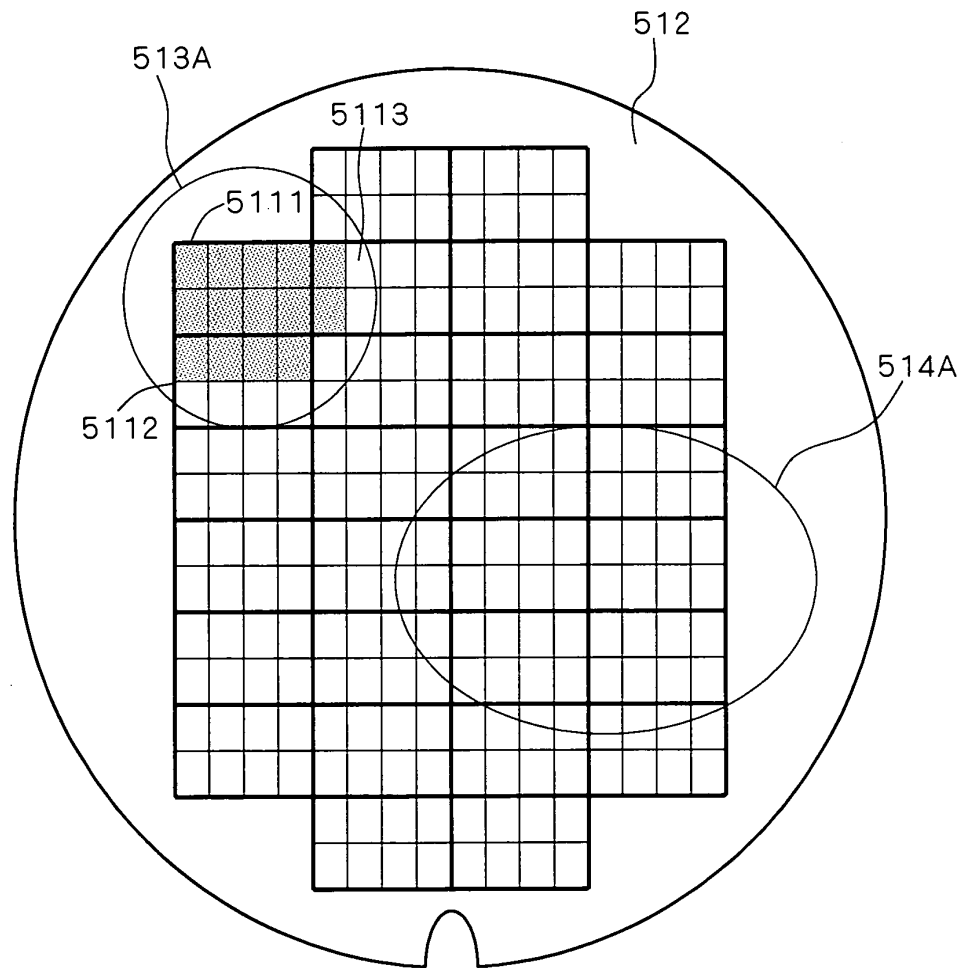


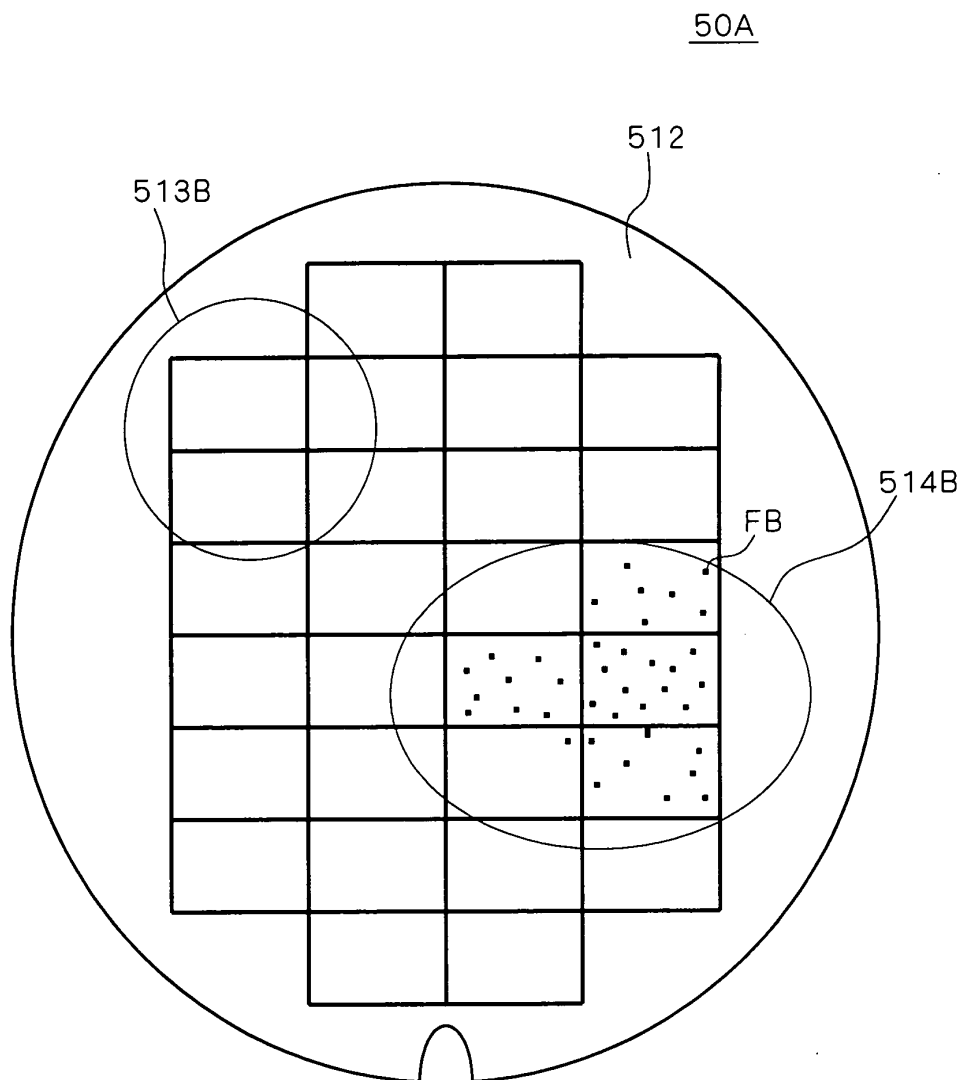
FIG. 24

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Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	15.2	5.8	5	35
Occupation	1.2	0.8	0	2
Health status	0.7	0.4	0	1
Stress level	2.1	1.3	1	4
Life satisfaction	3.8	1.2	2	5
Resilience	4.2	1.1	3	5
Optimism	3.5	1.0	2	4
Self-efficacy	3.9	1.1	2	5
Emotional stability	3.2	0.9	2	4
Prosocial behavior	3.6	1.0	2	4
Empathy	3.4	0.9	2	4
Agreeableness	3.7	1.0	2	4
Conscientiousness	3.3	0.9	2	4
Neuroticism	2.8	0.8	2	4
Extraversion	3.1	0.9	2	4
Openness	3.0	0.8	2	4
Intelligence	100.5	15.2	80	120
Memory	85.3	12.1	70	100
Attention	78.9	10.5	65	90
Processing speed	92.1	11.8	75	105
Verbal ability	88.4	13.5	70	100
Nonverbal ability	82.7	12.9	65	95
Fluid intelligence	79.6	11.2	60	90
Crystalline intelligence	86.5	14.1	70	100
Executive function	80.2	12.3	65	95
Working memory	75.8	10.7	60	90
Inhibition	72.4	9.8	55	85
Planning	77.9	11.5	60	90
Problem solving	74.1	10.2	55	85
Decision making	76.3	11.0	60	90
Emotional regulation	73.5	9.5	55	85
Impulse control	71.2	8.9	50	80
Stress management	74.8	10.1	55	85
Resilience (repeated)	72.6	9.7	50	80
Optimism (repeated)	70.4	8.5	50	80
Self-efficacy (repeated)	73.1	9.2	55	85
Emotional stability (repeated)	71.8	8.8	50	80
Prosocial behavior (repeated)	74.5	9.6	55	85
Empathy (repeated)	72.9	9.4	50	80
Agreeableness (repeated)	73.7	9.1	55	85
Conscientiousness (repeated)	71.5	8.7	50	80
Neuroticism (repeated)	69.3	8.2	50	80
Extraversion (repeated)	70.8	8.6	50	80
Openness (repeated)	69.1	8.3	50	80
Intelligence (repeated)	100.5	15.2	80	120
Memory (repeated)	85.3	12.1	70	100
Attention (repeated)	78.9	10.5	65	90
Processing speed (repeated)	92.1	11.8	75	105
Verbal ability (repeated)	88.4	13.5	70	100
Nonverbal ability (repeated)	82.7	12.9	65	95
Fluid intelligence (repeated)	79.6	11.2	60	90
Crystalline intelligence (repeated)	86.5	14.1	70	100
Executive function (repeated)	80.2	12.3	65	95
Working memory (repeated)	75.8	10.7	60	90
Inhibition (repeated)	72.4	9.8	55	85
Planning (repeated)	77.9	11.5	60	90
Problem solving (repeated)	74.1	10.2	55	85
Decision making (repeated)	76.3	11.0	60	90
Emotional regulation (repeated)	73.5	9.5	55	85
Impulse control (repeated)	71.2	8.9	50	80
Stress management (repeated)	74.8	10.1	55	85
Resilience (repeated 2)	72.6	9.7	50	80
Optimism (repeated 2)	70.4	8.5	50	80
Self-efficacy (repeated 2)	73.1	9.2	55	85
Emotional stability (repeated 2)	71.8	8.8	50	80
Prosocial behavior (repeated 2)	74.5	9.6	55	85
Empathy (repeated 2)	72.9	9.4	50	80
Agreeableness (repeated 2)	73.7	9.1	55	85
Conscientiousness (repeated 2)	71.5	8.7	50	80
Neuroticism (repeated 2)	69.3	8.2	50	80
Extraversion (repeated 2)	70.8	8.6	50	80
Openness (repeated 2)	69.1	8.3	50	80



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FIG. 26

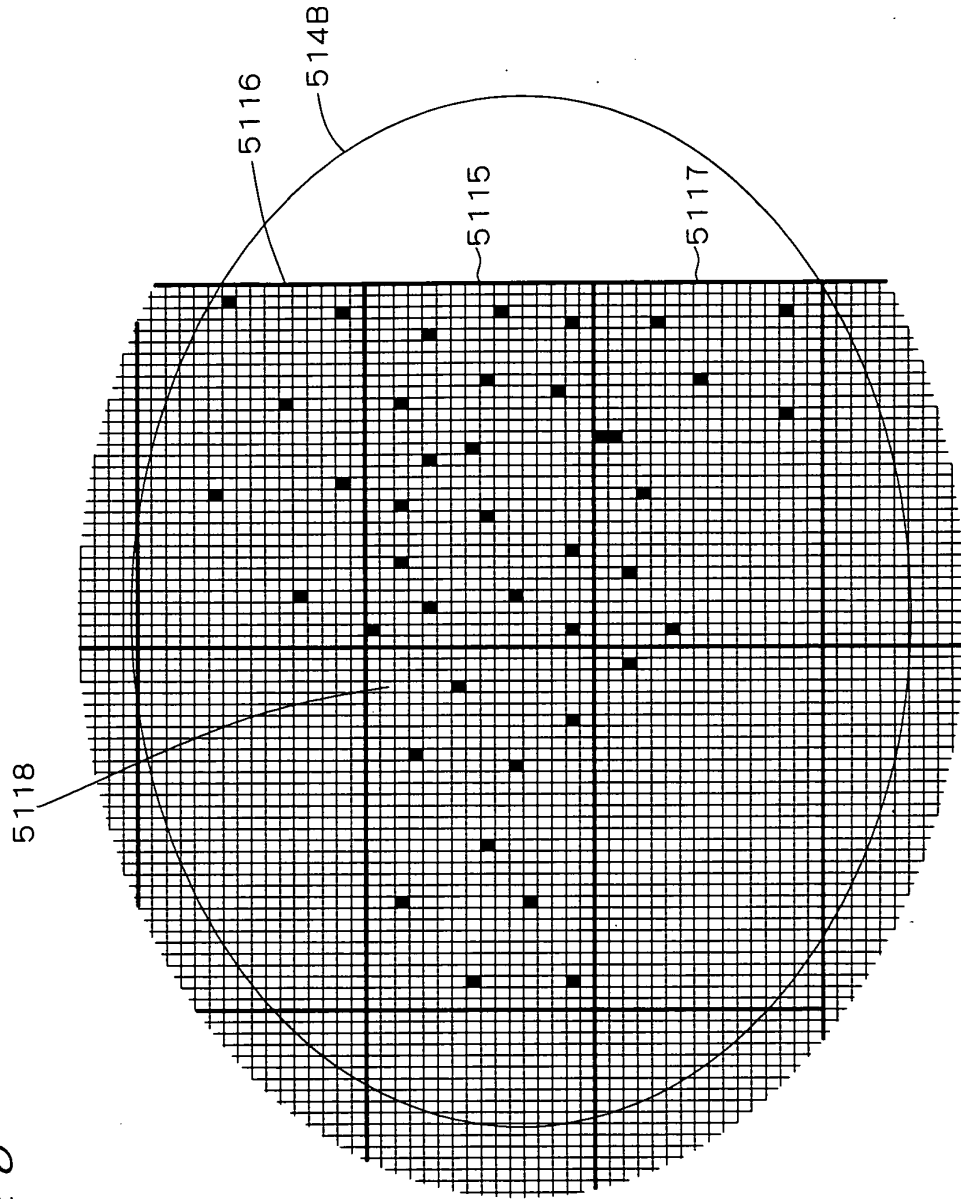


FIG. 27

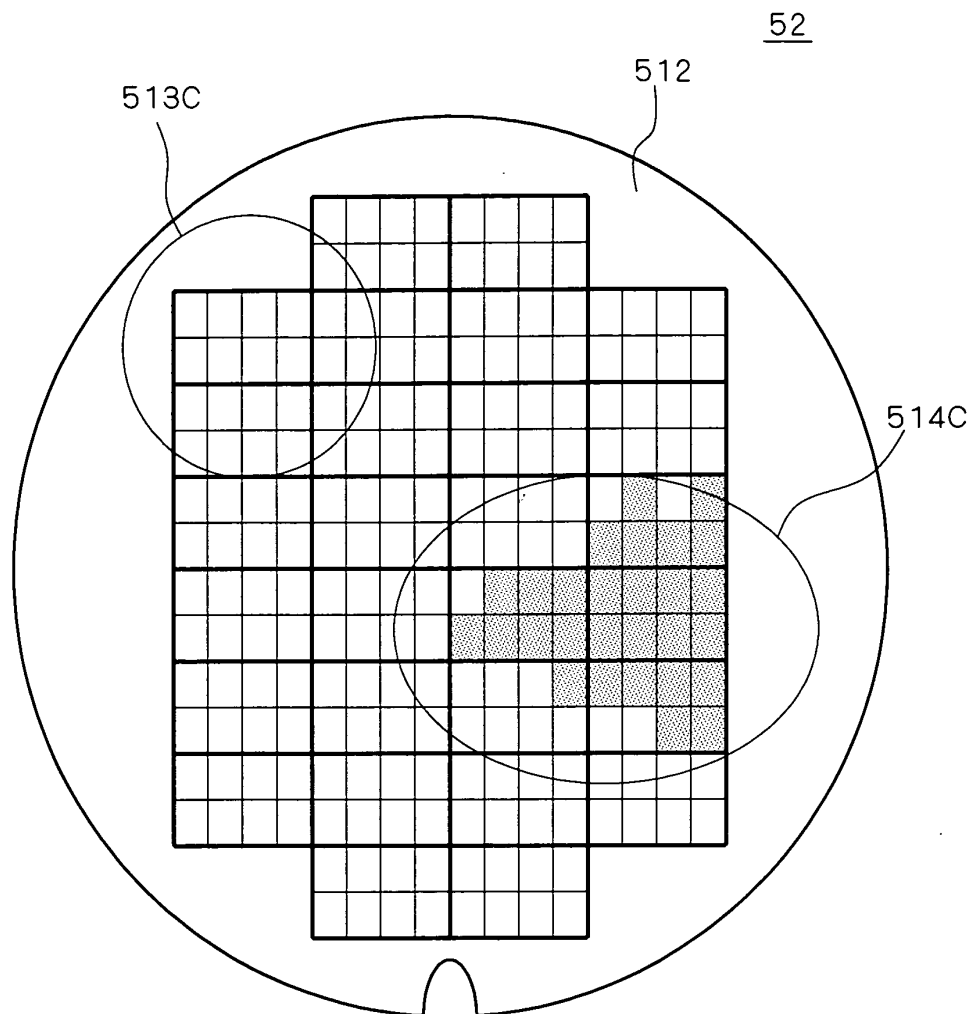


FIG. 28

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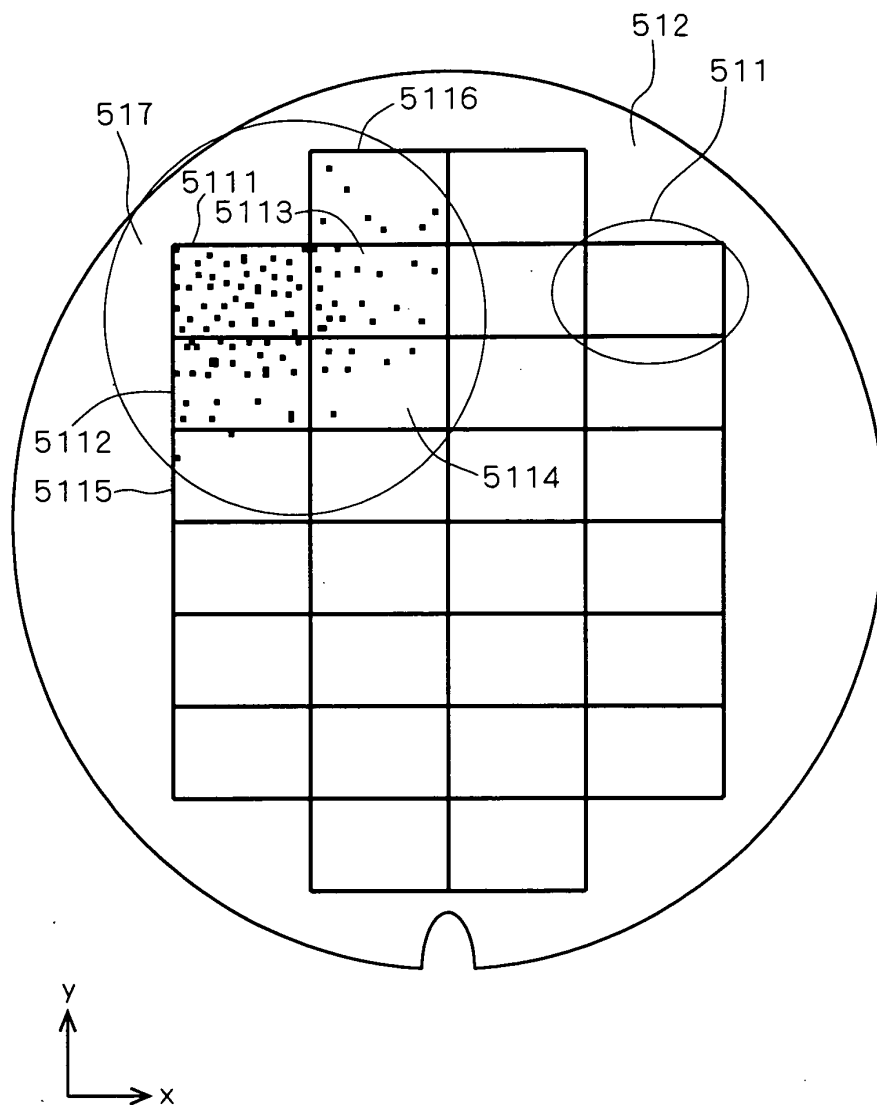
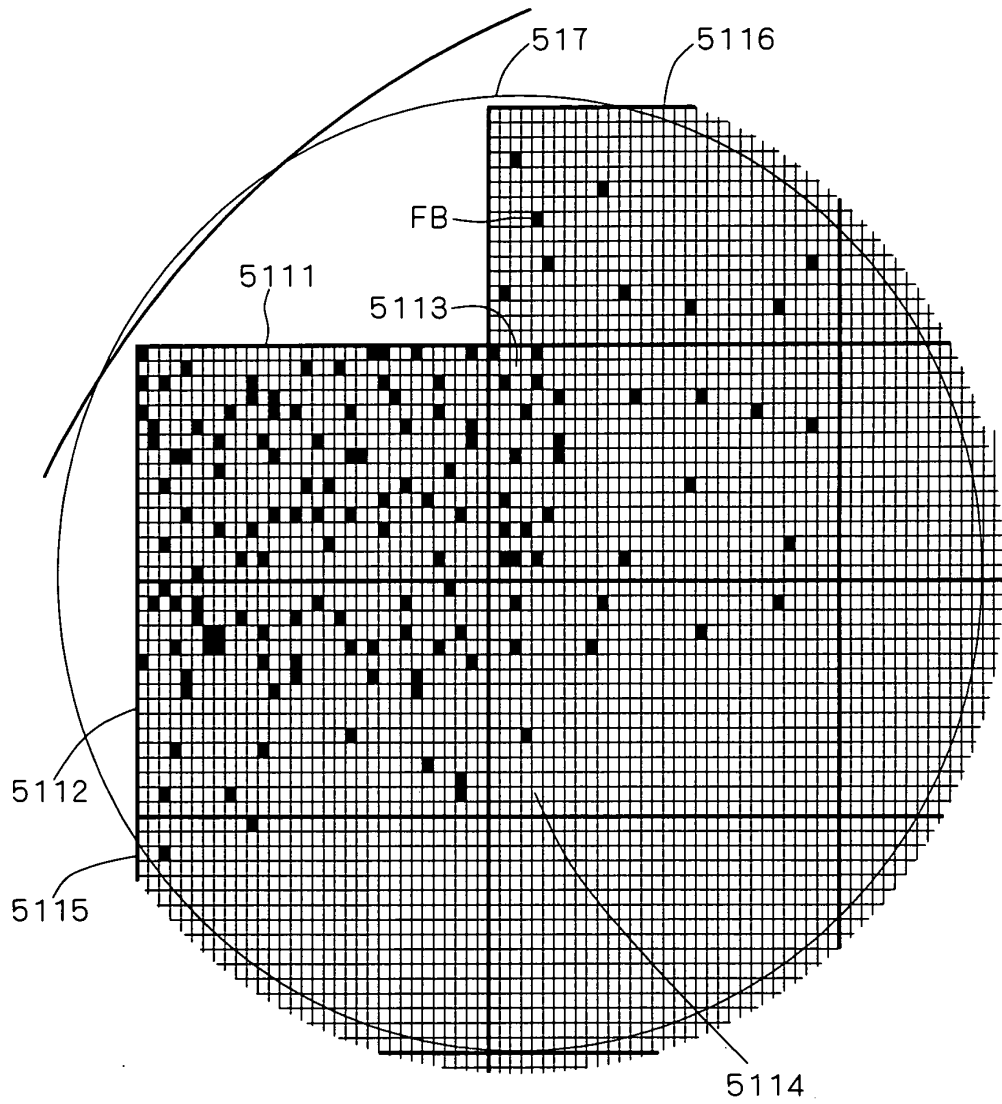


FIG. 29



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FIG. 30

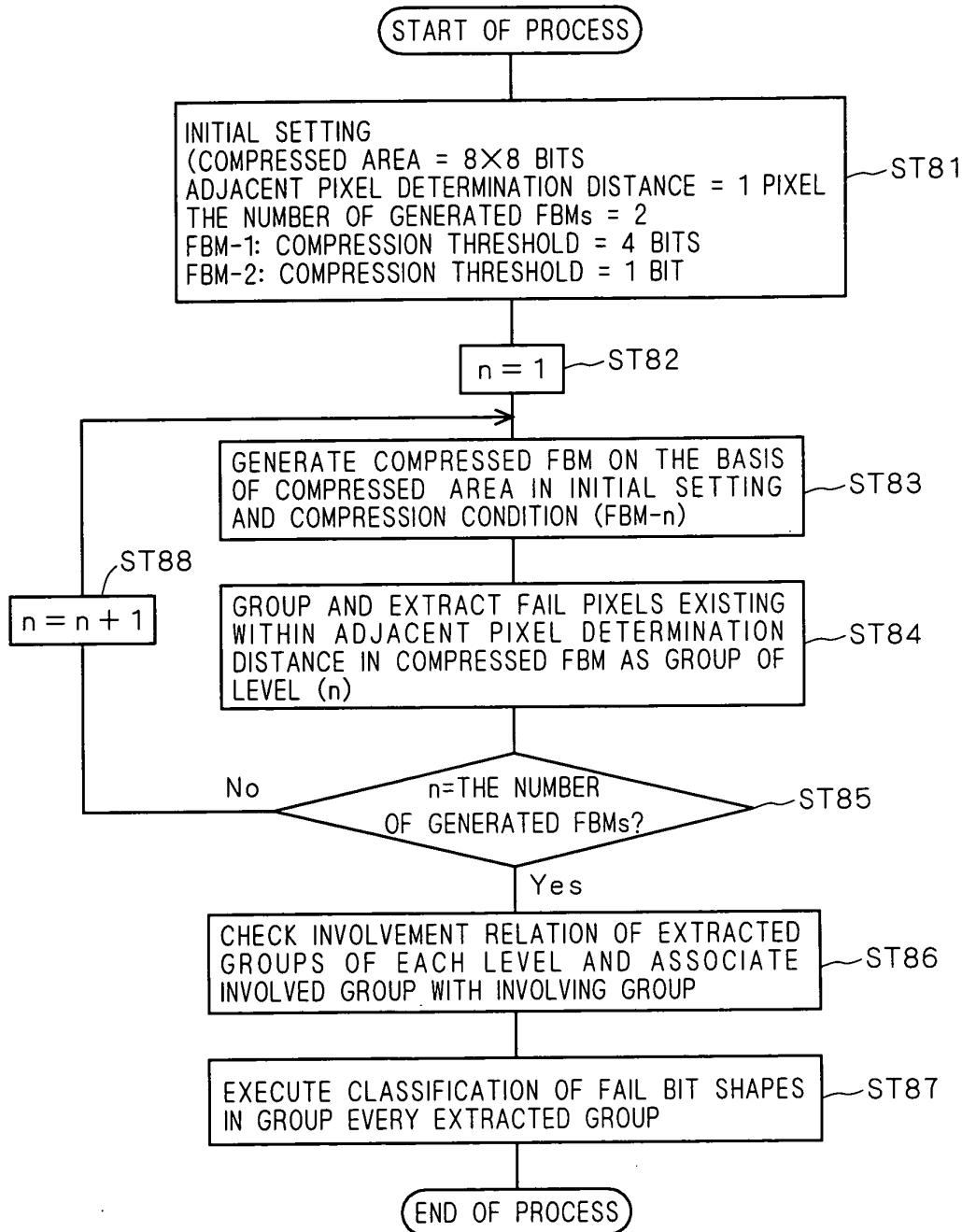
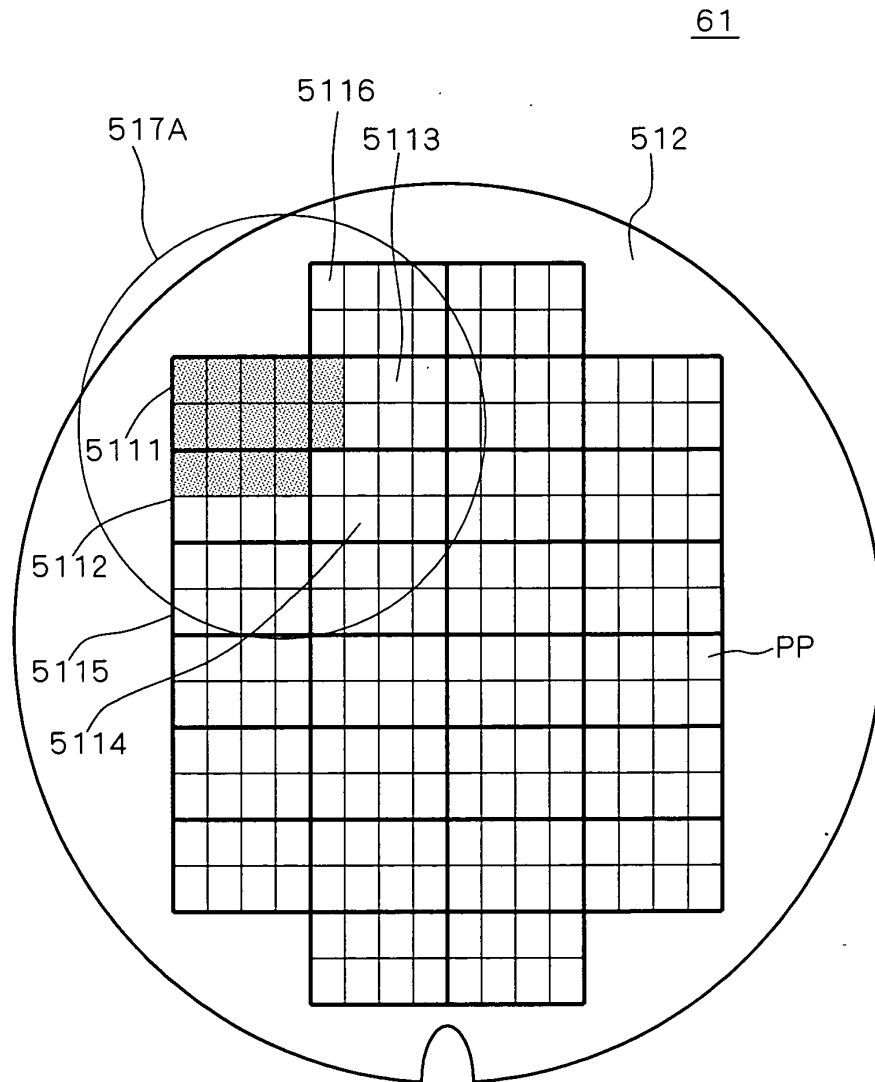


FIG. 31



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FIG. 32

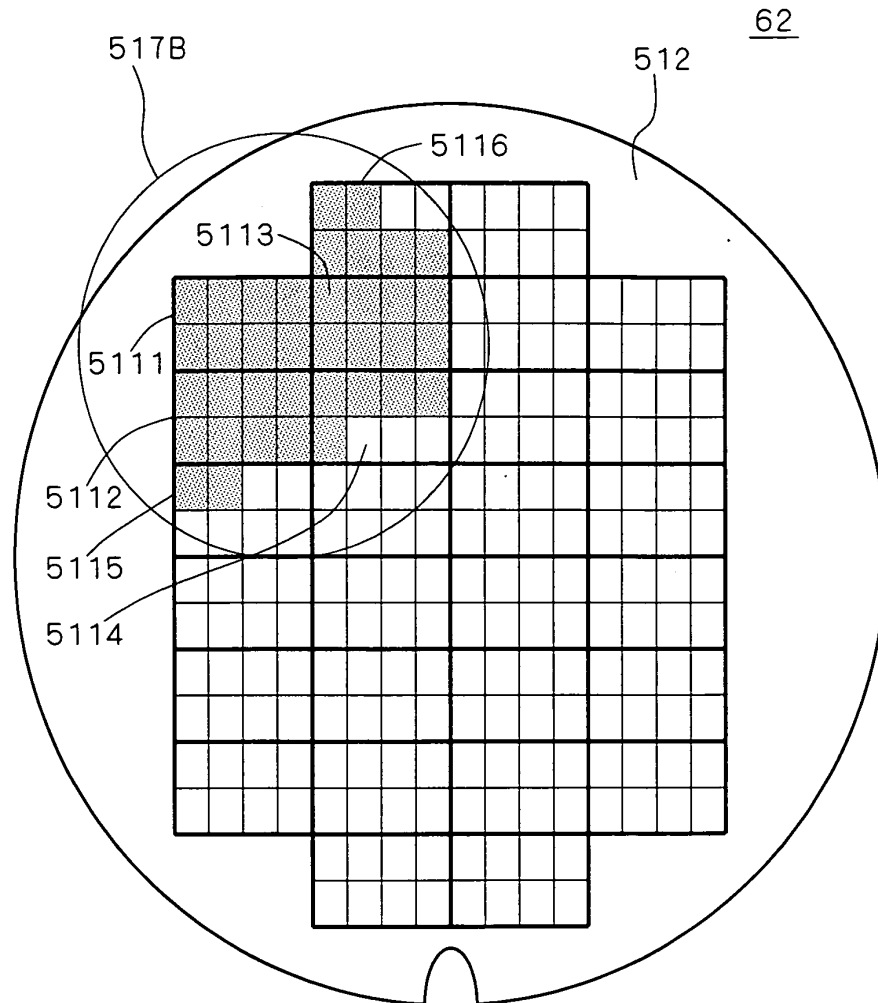


FIG. 33

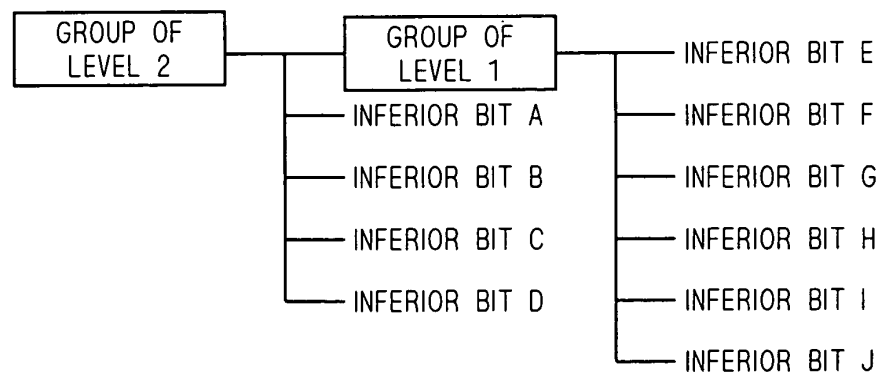
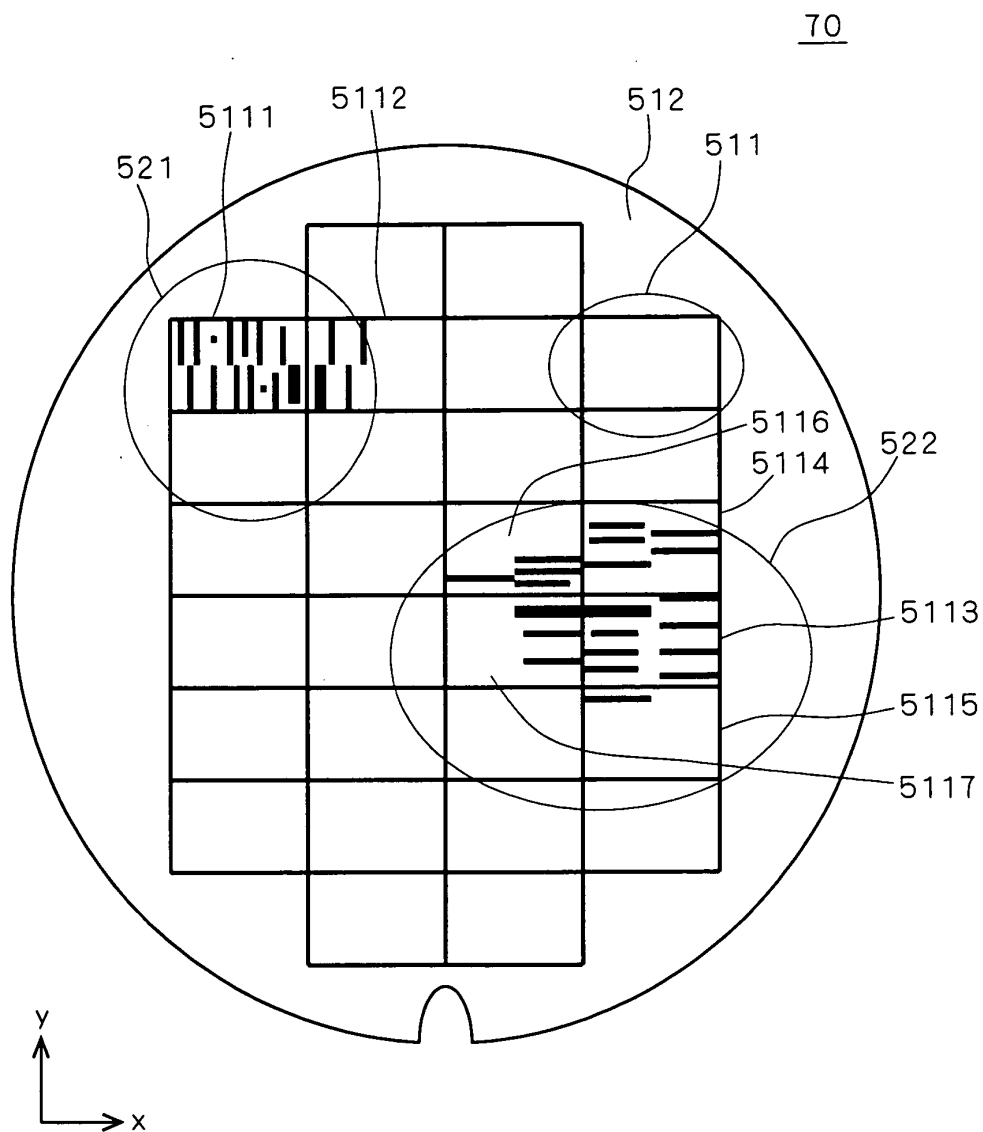
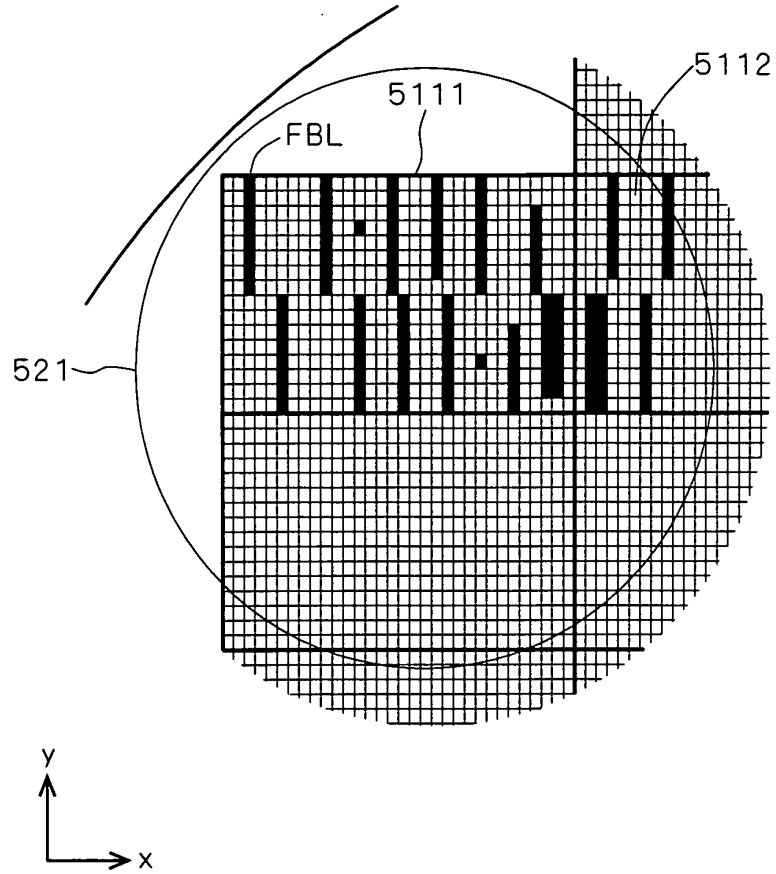


FIG. 34



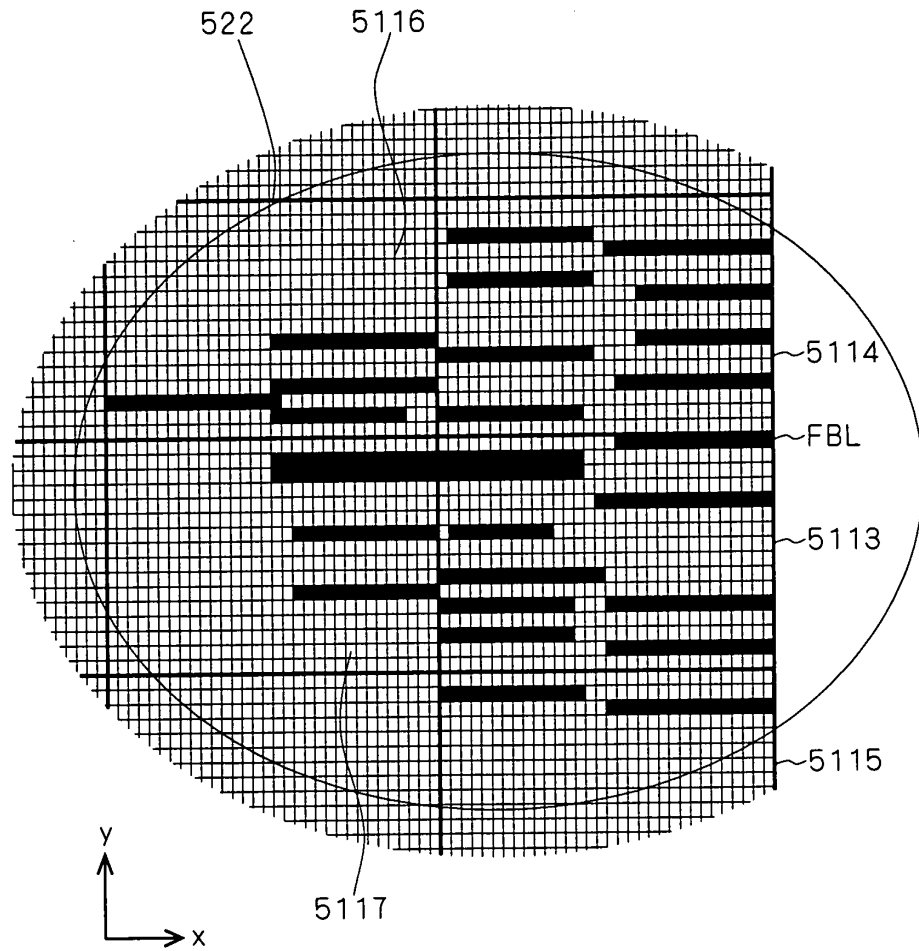
DOCKET# B223460

FIG. 35



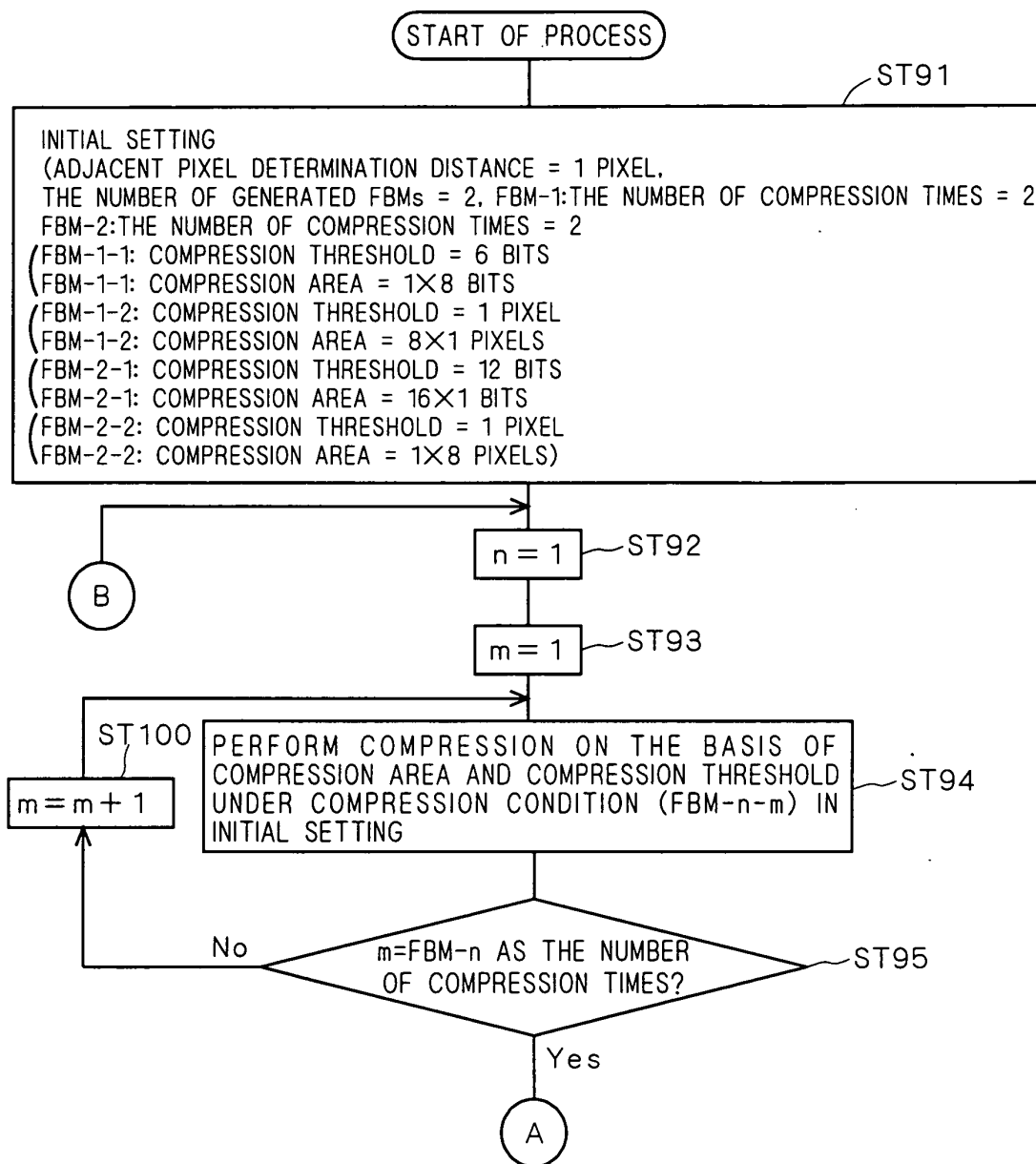
004227" 82284260

FIG. 36



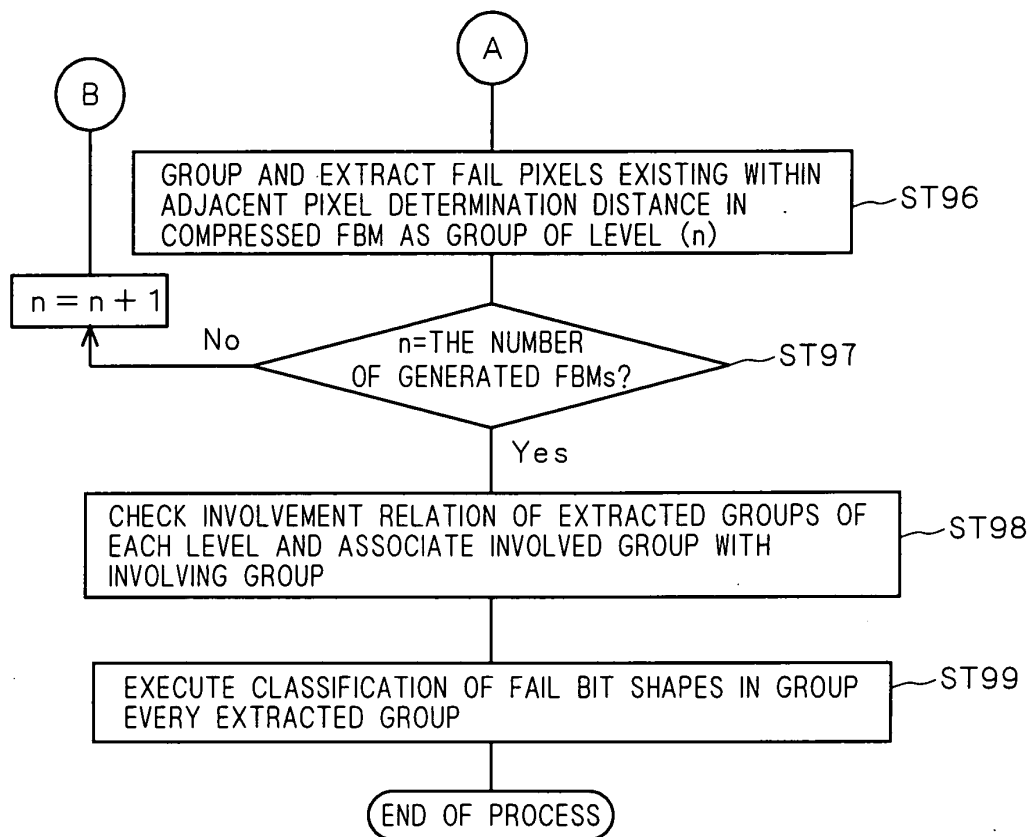
09748228.122700

FIG. 37



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FIG. 38



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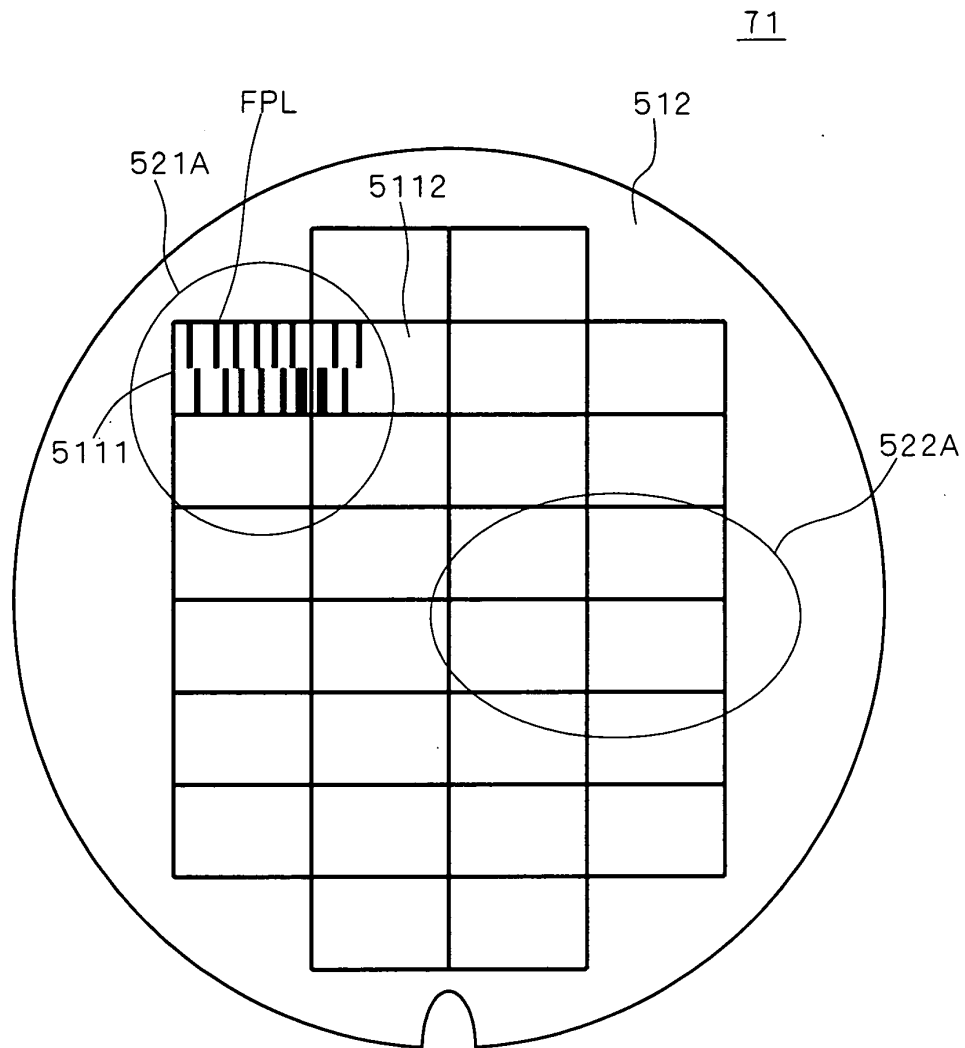
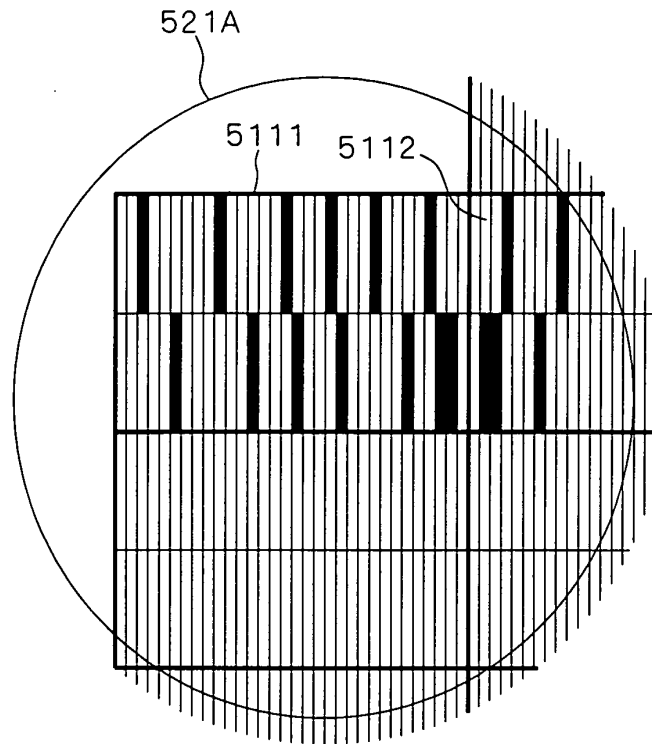


FIG. 40



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F / G. 41

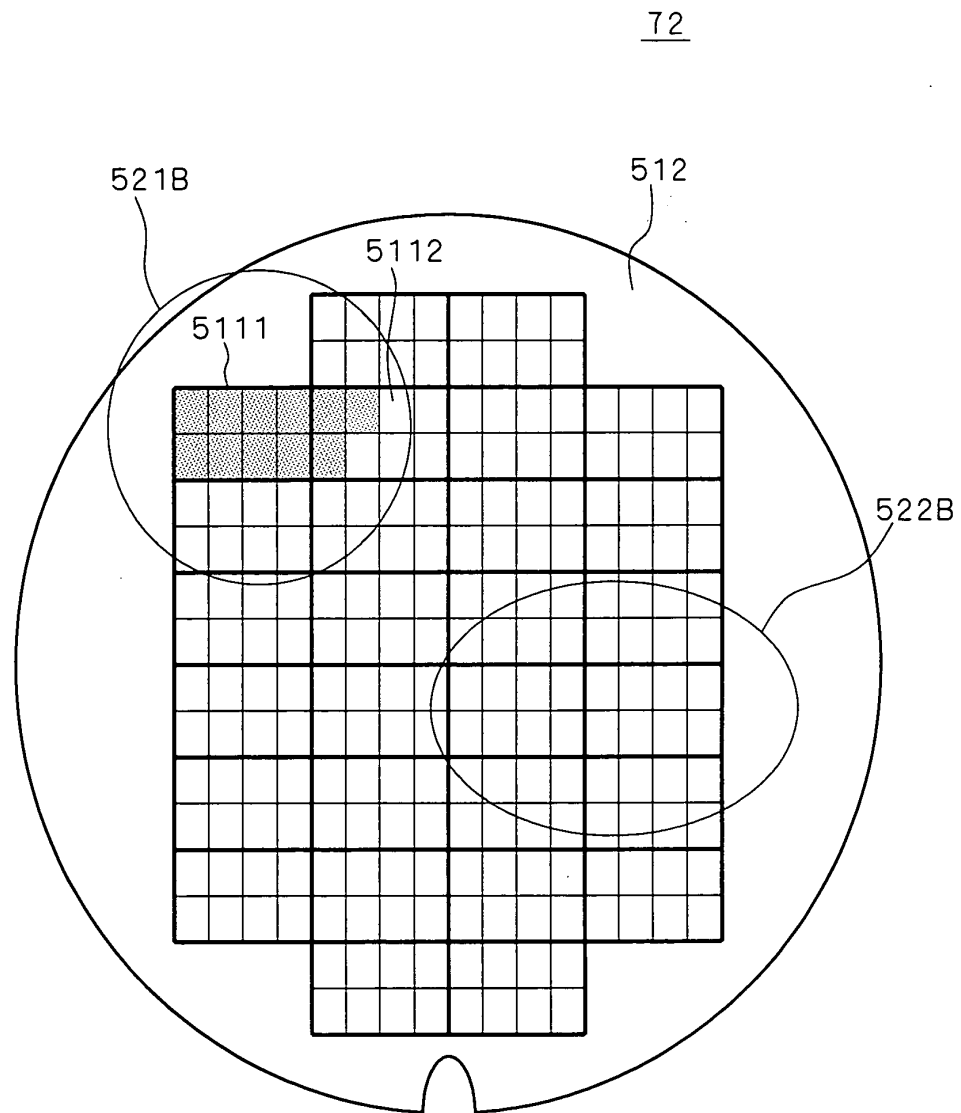


FIG. 42

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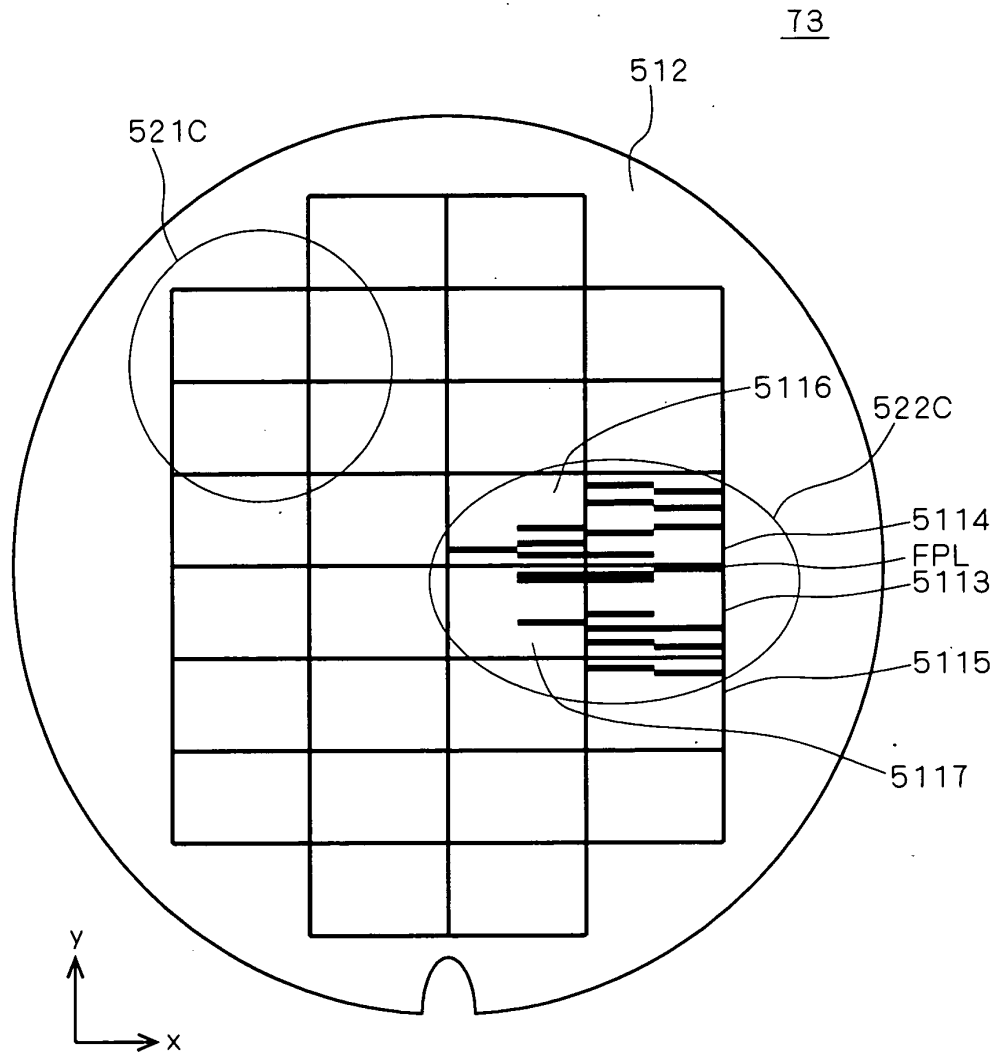
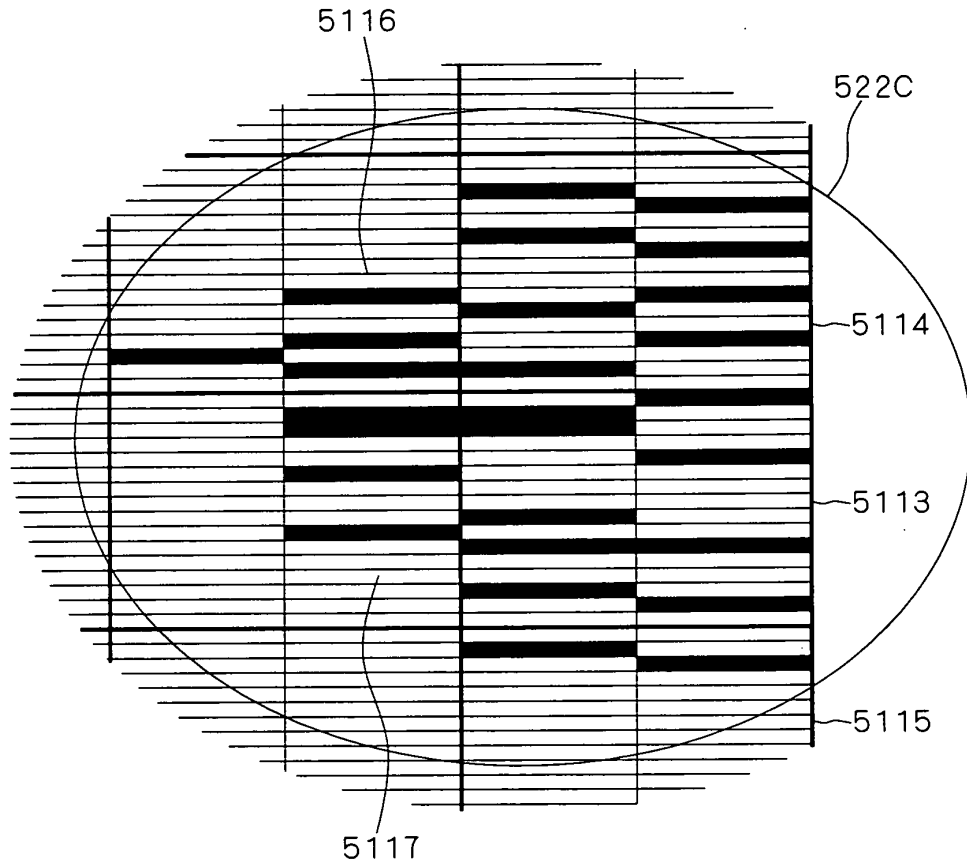
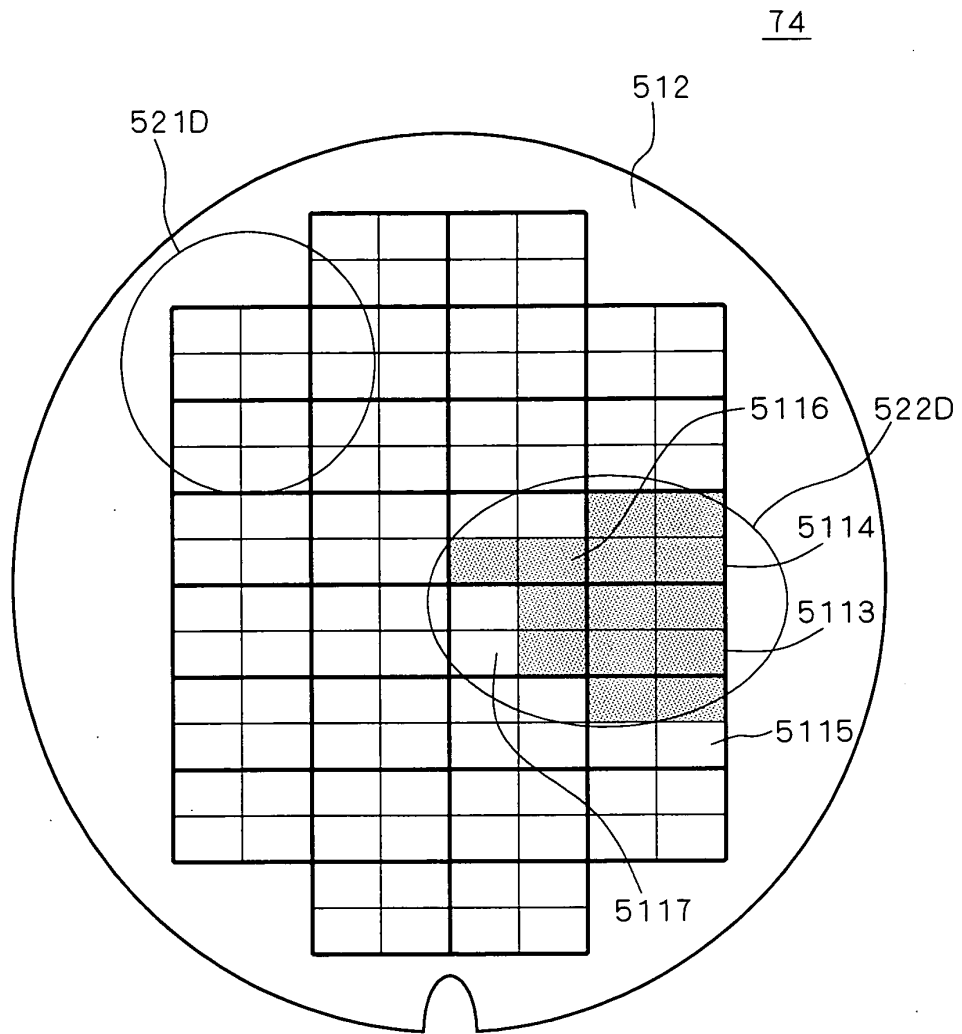


FIG. 43



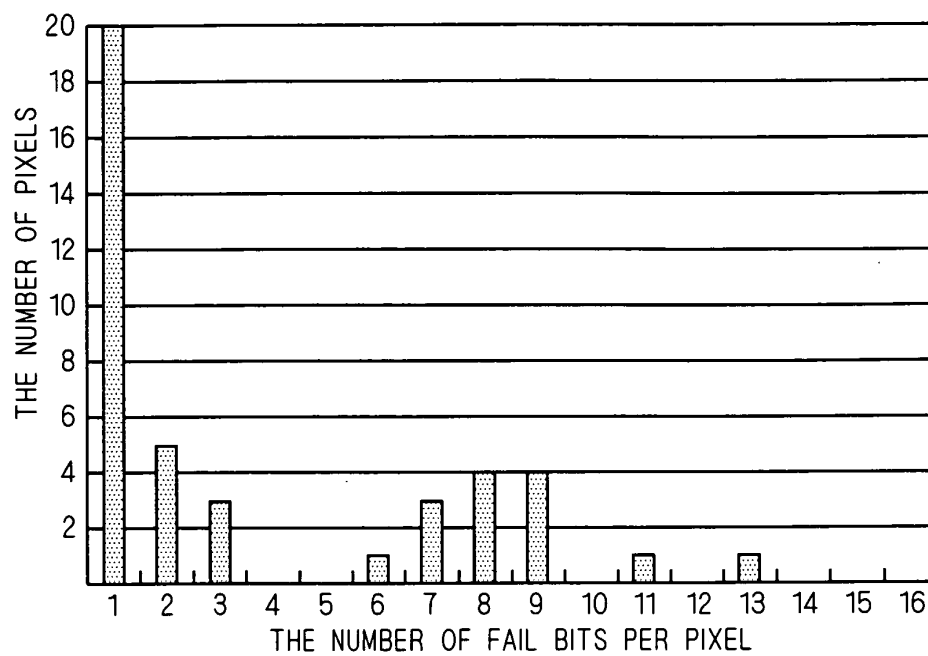
00/222F" 82284.60

FIG. 44



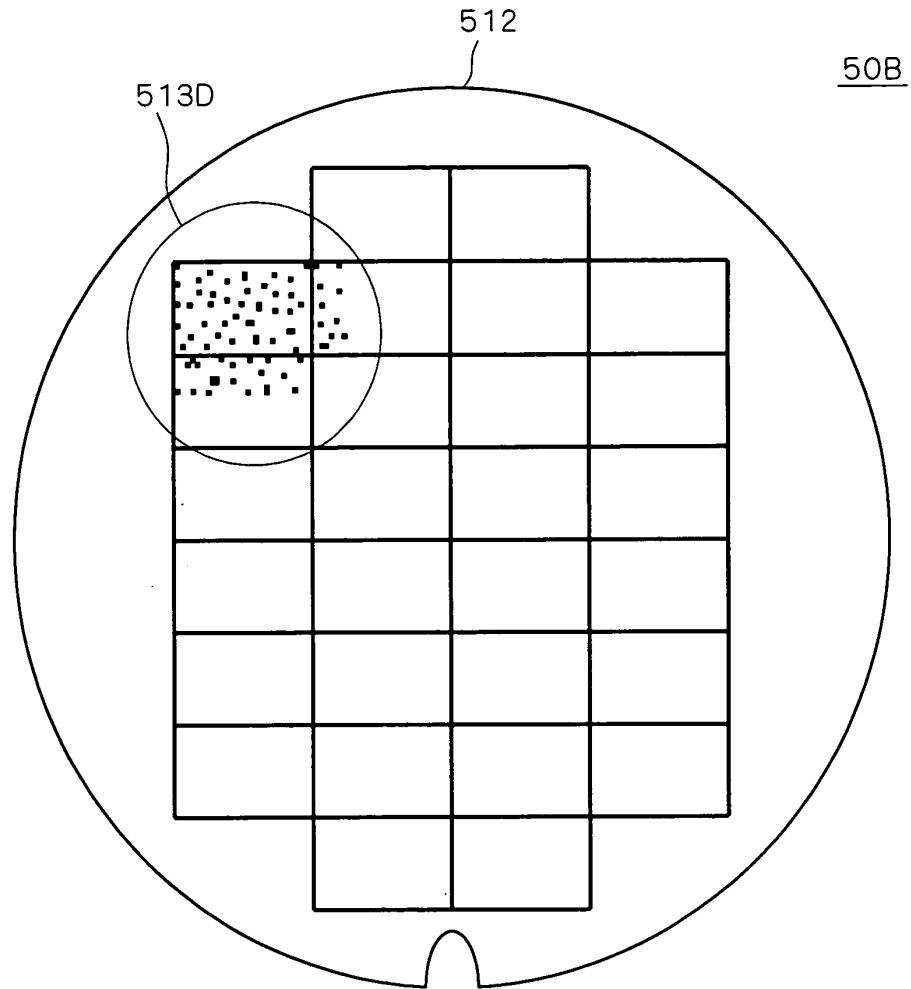
004227" 82284260

FIG. 45



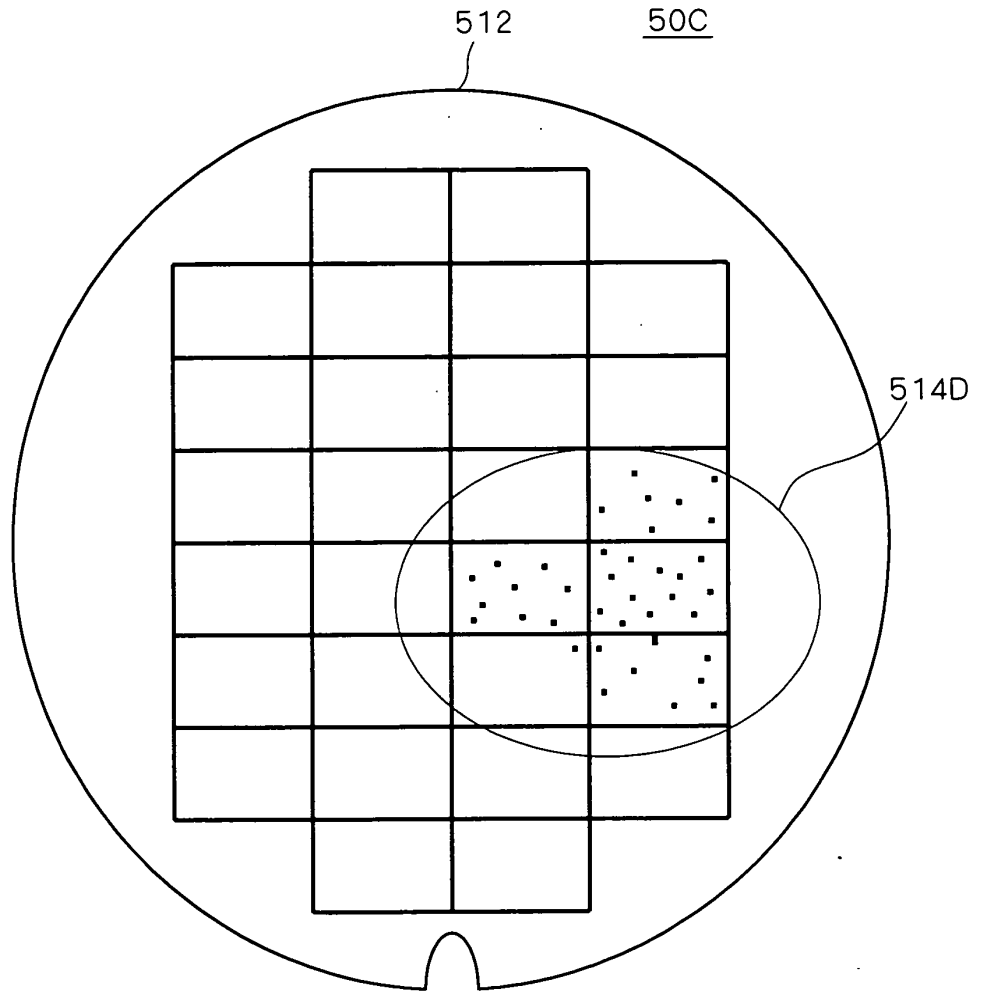
09748228.122700

FIG. 46



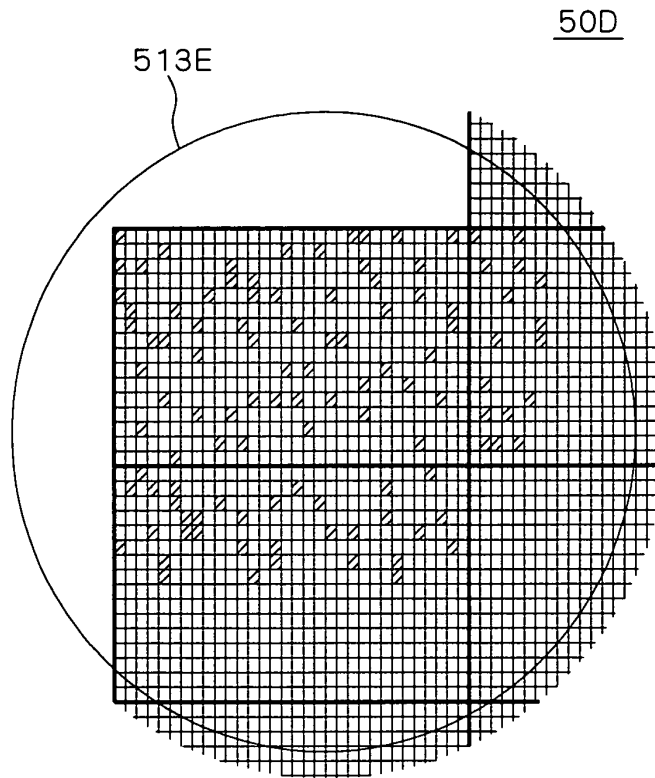
DOCKET# 201372US2

FIG. 47



DOCKET: 201372US2

FIG. 48



00/227" 32234/60

DOCKET# 201372US2

FIG. 49

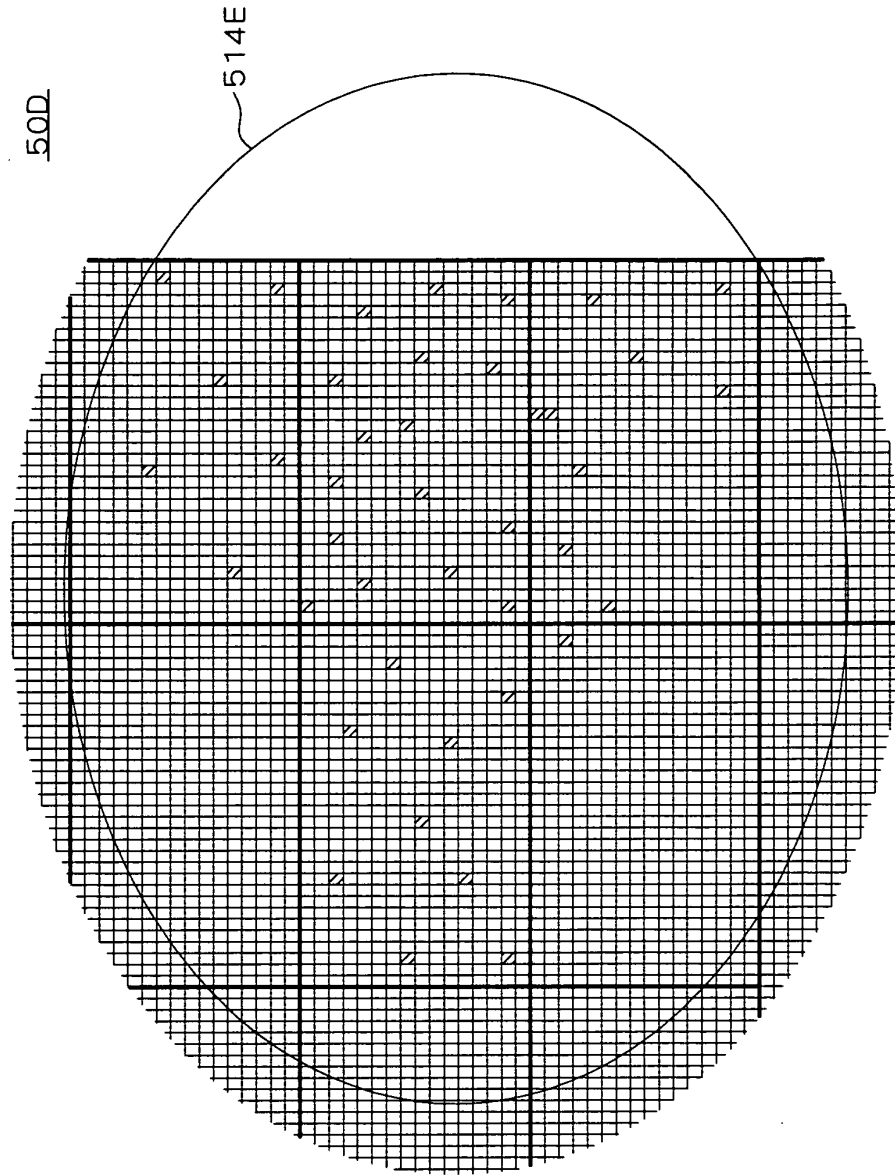


FIG. 50

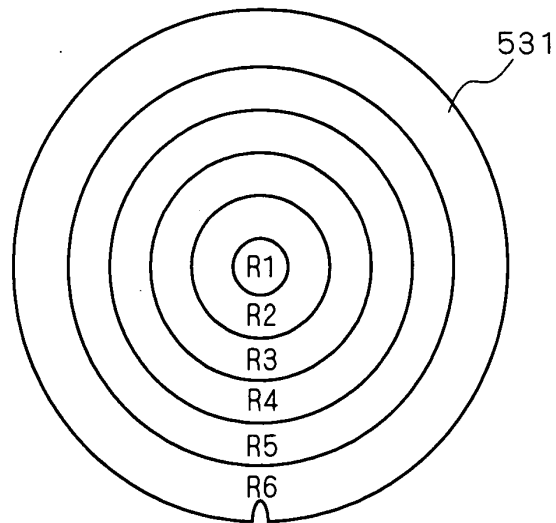


FIG. 51

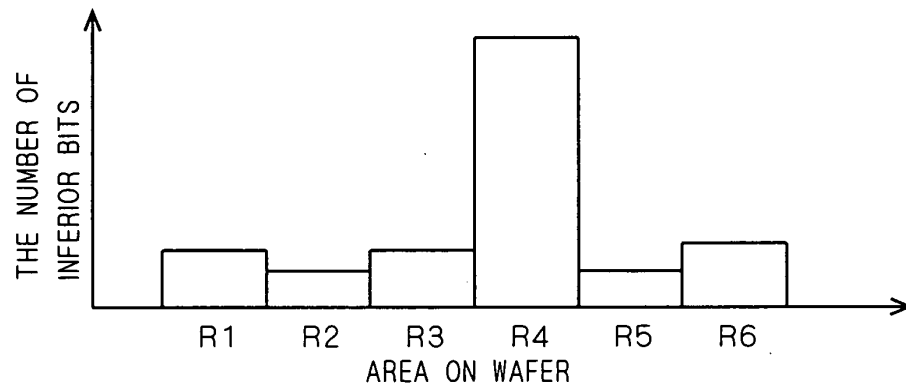


FIG. 52

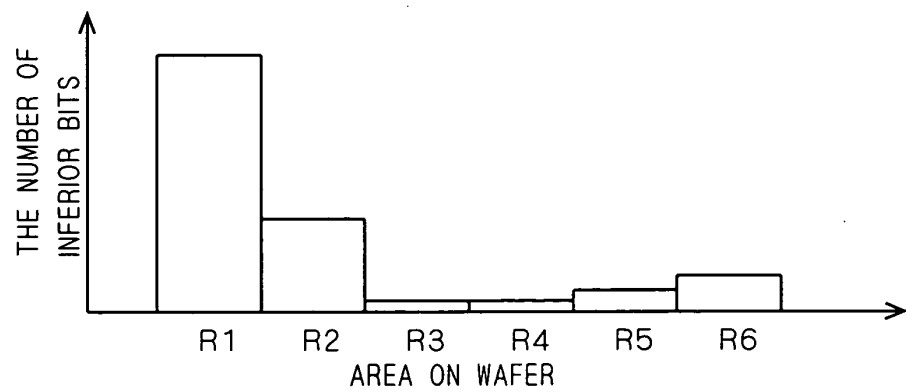


FIG. 53

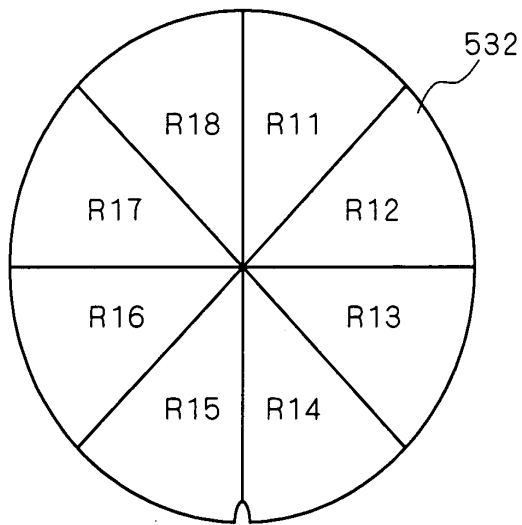


FIG. 54

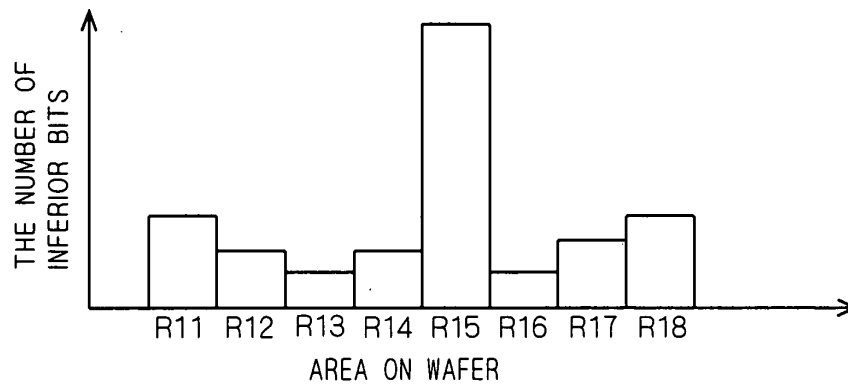


FIG. 55

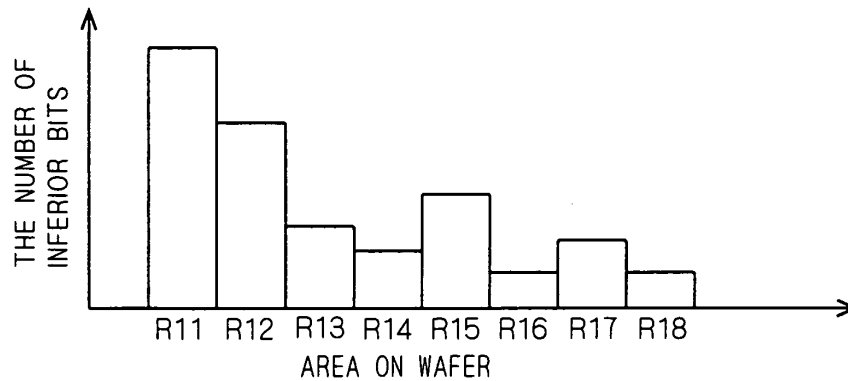


FIG. 56 (BACKGROUND ART)

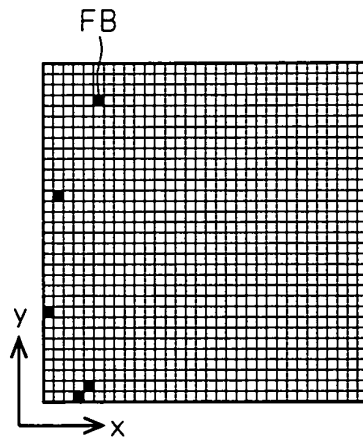


FIG. 57 (BACKGROUND ART)

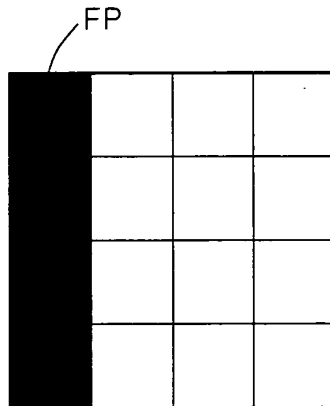
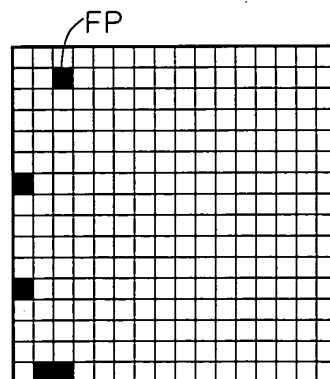


FIG. 58 (BACKGROUND ART)



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